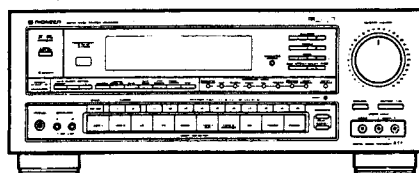


Service Manual



ORDER NO.
ARP2554

AUDIO/VIDEO STEREO RECEIVER

VSX-D701S

VSX-D601

VSX-D701S AND VSX-D601 HAVE THE FOLLOWING :

Type	Model		Power Requirement	Remarks
	VSX-D701S	VSX-D601		
KU	○	○	AC120V only	
KC	○	○	AC120V only	
SD	○	—	AC110V, 120V-127V, 220V, 240V (Switchable)	

- This manual is applicable to the following : VSX-D701S/KU, KC and SD ; VSX-D601/KU and KC.
- For the following : VSX-D701S/KC and SD ; VSX-D601/KU and KC, refer to page 94.

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This service manual is intended for qualified service technicians; it is not meant for the casual do-it-yourselfer. Qualified technicians have the necessary test equipment and tools, and have been trained to properly and safely repair complex products such as those covered by this manual.

Improperly performed repairs can adversely affect the safety and reliability of the product and may void the warranty. If you are not qualified to perform the repair of this product properly and safely, you should not risk trying to do so and refer the repair to a qualified service technician.

WARNING

Lead in solder used in this product is listed by the California Health and Welfare agency as a known reproductive toxicant which may cause birth defects or other reproductive harm (California Health & Safety Code, Section 25249.5).

When servicing or handling circuit boards and other components which contain lead in solder, avoid unprotected skin contact with the solder. Also, when soldering do not inhale any smoke or fumes produced.

1. SAFETY INFORMATION

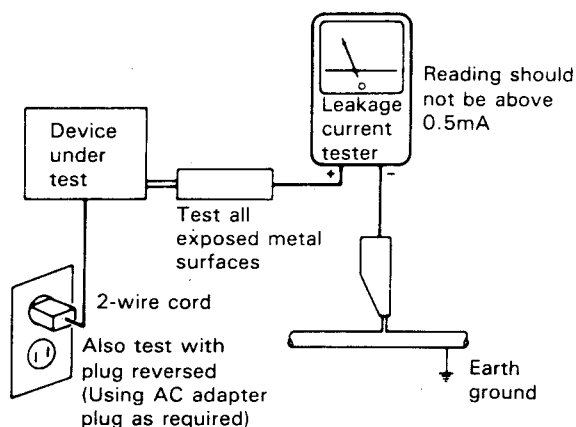
(FOR USA MODEL ONLY)

1. SAFETY PRECAUTIONS

The following check should be performed for the continued protection of the customer and service technician.

LEAKAGE CURRENT CHECK

Measure leakage current to a known earth ground (water pipe, conduit, etc.) by connecting a leakage current tester such as Simpson Model 229-2 or equivalent between the earth ground and all exposed metal parts of the appliance (input/output terminals, screwheads, metal overlays, control shaft, etc.). Plug the AC line cord of the appliance directly into a 120V AC 60Hz outlet and turn the AC power switch on. Any current measured must not exceed 0.5mA.



AC Leakage Test

ANY MEASUREMENTS NOT WITHIN THE LIMITS OUTLINED ABOVE ARE INDICATIVE OF A POTENTIAL SHOCK HAZARD AND MUST BE CORRECTED BEFORE RETURNING THE APPLIANCE TO THE CUSTOMER.

2. PRODUCT SAFETY NOTICE

Many electrical and mechanical parts in the appliance have special safety related characteristics. These are often not evident from visual inspection nor the protection afforded by them necessarily can be obtained by using replacement components rated for voltage, wattage, etc. Replacement parts which have these special safety characteristics are identified in this Service Manual.

Electrical components having such features are identified by marking with a Δ on the schematics and on the parts list in this Service Manual.

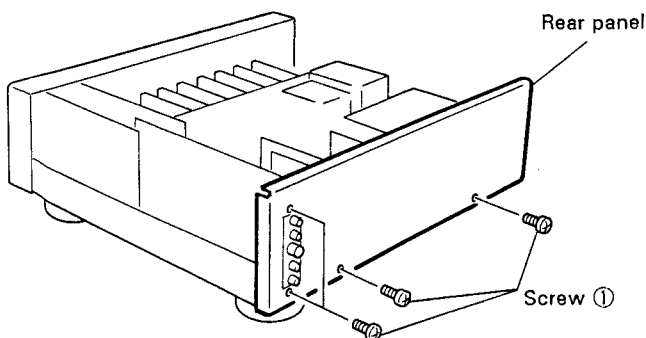
The use of a substitute replacement component which does not have the same safety characteristics as the PIONEER recommended replacement one, shown in the parts list in this Service Manual, may create shock, fire, or other hazards.

Product Safety is continuously under review and new instructions are issued from time to time. For the latest information, always consult the current PIONEER Service Manual. A subscription to, or additional copies of, PIONEER Service Manual may be obtained at a nominal charge from PIONEER.

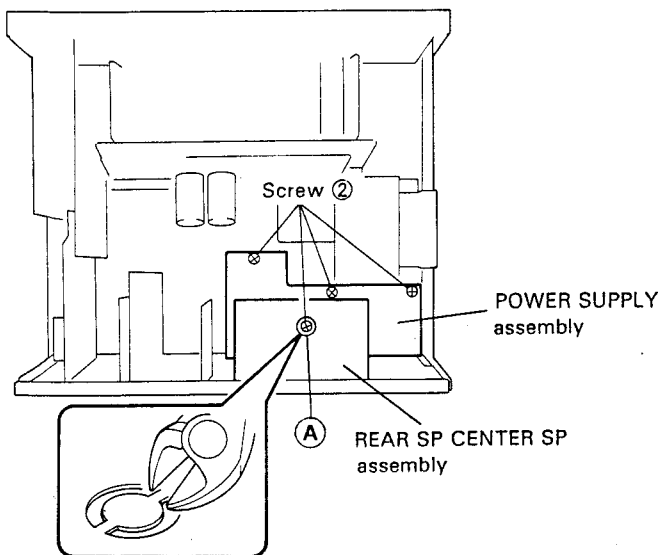
2. DISASSEMBLY

2.1 POWER SUPPLY ASSEMBLY

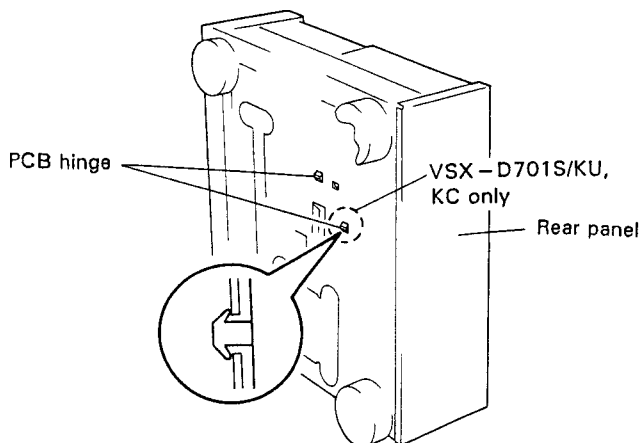
1. Remove the bonnet case (7 screws).
2. Remove the screws on the rear panel. (four screws ①).



3. Use nippers to cut at (A) in the REAR SP CENTER SP assembly.
4. Remove the screws on the POWER SUPPLY assembly. (four screws ②)



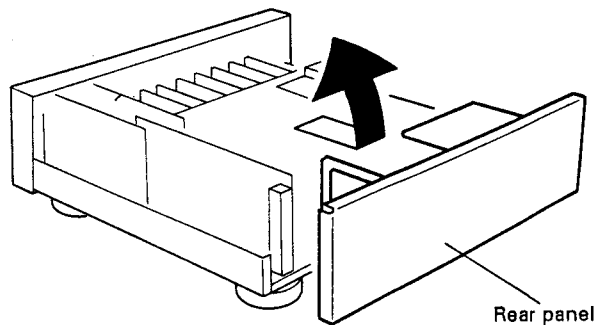
5. Stand the unit upright, and use fine-nosed pliers to press in the PCB hinge on the rear panel.



Note :

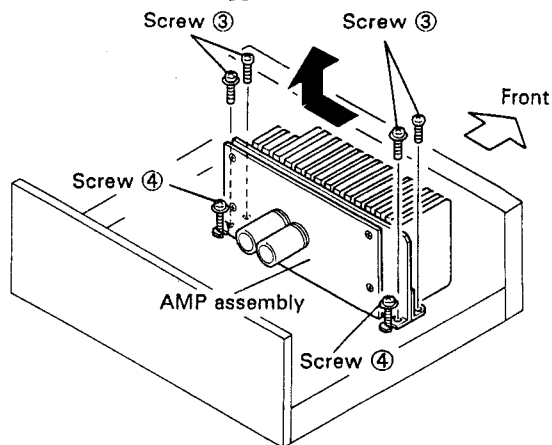
Avoid shorting the unit by using an insulation sheet or similar between transformer TP and other assemblies when positioning the unit securely.

6. Return the unit to its original position. Pull the rear panel toward the operator and securely place it so that the side with the POWER SUPPLY assembly buttons are visible.

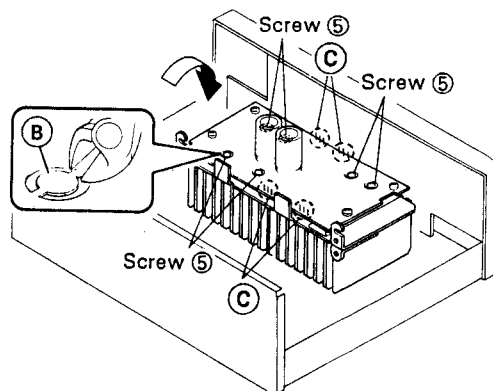


2.2 AMP ASSEMBLY

1. Remove the four heat sink locking screws ③ and loosen the two regular screws ④.
2. Cut the binder with nippers.



3. Cut the AMP assembly at (B) with nippers and then remove the six screws ⑤.
4. Remove the transistor solder at (C) (four locations).



2. EXPLODED VIEWS, PACKING AND PARTS LIST

NOTES:

- Parts marked by "NSP" are generally unavailable because they are not in our Master Spare Parts List.
- The Δ mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.
- Parts marked by "●" are not always kept in stock. Their delivery time may be longer than usual or they may be unavailable.

Parts list of Exterior and Packing

Mark	No.	Description	Parts No.	Mark	No.	Description	Parts No.
	1	MASTER VOL ASSEMBLY	AAB1119	NSP	48	HEAT SINK	ANH1379
	2	KIN BUTTON	AAD1609		49	OPE. INSTRUCTIONS (ENGLISH)	ARB1380
	3	M&S KNOB	AAD1997	●	50	TUNER ASSEMBLY	AWE1140
	4	SP BUTTON (PLS)	AAD2211	●	51	FL. U-COM ASSEMBLY	AWK1548
	5	MUTE BUTTON (PLS)	AAD2264		52	REMOTE CONTROL UNIT (CU-VSX048)	AXD1268
	6	ACOUSTIC BUTTON (PLS)	AAD2265		53	SCREW	BPZ26P080FMC
	7	FUNCTION BUTTON L	AAD2266		54	SCREW	FBT40P060FZK
	8	FUNCTION BUTTON R	AAD2267		55	SCREW	VMZ30P060FCU
	9	TX FUNCTION BUTTON	AAD2270				
	10	BUTTON (PLS)	AAD2271				
	11	POWER BUTTON (PLS)	AAD2272	Δ	56	FUSE (8A, FU1)	AEK1002
	12	KIN BUTTON	AAD2273		57	.....	
	13	DISPLAY PANEL	AAK2296	Δ	58	FUSE (4A, FU3, 4)	AEK-125
	14	SASH (PLS)	AAK2298	Δ	59	FUSE (1.25A, FU5, 6)	AEK-120
	15	NAME PLATE (METAL)	AAM1029		60	LOOP ANTENNA (L)	ATB1005
	16	SCREW	ABA-298	Δ	61	TRANSISTOR (Q1)	2SC3281
	17	SCREW (STEEL)	ABA1009	Δ	62	POWER TRANSISTOR (Q10)	2SA1803
	18	SCREW	ABA1018	Δ	63	TRANSISTOR (Q2)	2SC3281
	19	SCREW (STEEL)	ABA1053	Δ	64	TRANSISTOR (Q3)	2SA1302
	20	SCREW	ABA1054	Δ	65	TRANSISTOR (Q4)	2SA1302
	21	SCREW	ABA1082	Δ	66	TRANSISTOR (Q5)	2SC3182N
Δ	22	AC POWER CORD	ADG1058	Δ	67	TRANSISTOR (Q6)	2SA1265N
NSP	23	FM ANTENNA	ADH1004	Δ	68	POWER TRANSISTOR (Q7)	2SC4688
	24	PCB HOLDER	AEC1097	Δ	69	POWER TRANSISTOR (Q8)	2SC4688
	25	MICA SHEET	AEC1140	Δ	70	POWER TRANSISTOR (Q9)	2SA1803
NSP	26	PCB SUPPORT	AEC1215	Δ	71	POWER TRANSFORMER (T1)	ATS1426
NSP	27	PCB HINGE	AEC1407	NSP	72	TRANS TP ASSEMBLY	AWZ4268
	28	MICA SHEET	AEE1014	●	73	SP SW ASSEMBLY	AWZ4289
	29	CORD STOPPER	AEP-113	●	74	REG (5.6V) ASSEMBLY	AWZ4267
NSP	30	ALKALINE (LR6, AA)	AEX1007	●	75	REG (12V) ASSEMBLY	AWZ4266
	31	FRONT REAR PAD	AHA1503	●	76	VOLUME ASSEMBLY	AWZ4292
	32	PACKING CASE	AHD2281	●	77	DSP ASSEMBLY	AWZ4294
	33	PACKING SHEET	AHG1021	●	78	CONNECTION ASSEMBLY	AWZ4291
NSP	34	TERMINAL SCREW	AKE-031	●	79	AUDIO FUNCTION ASSEMBLY	AWZ4263
	35	FRONT PANEL	AMB1991	●	80	A/V FUNCTION ASSEMBLY	AWZ4290
NSP	36	RIVET (PLASTIC)	AMR1066	●	81	OSD ASSEMBLY	AWZ4295
	37	PCB MOULD	AMR1525	●	82	PRE OUT ASSEMBLY	AWZ4272
	38	FOOT ASSEMBLY	AMR2414	●	83	POWER SUPPLY ASSEMBLY	AWZ4287
NSP	39	CHASSIS	ANA1178	●	84	REAR SP CENTER SP ASSEMBLY	AWZ4288
NSP	40	REAR PANEL	ANC1896	●	85	FRONT SP ASSEMBLY	AWZ4257
	41	METAL BONNET (MTL)	ANE1373	NSP			
NSP	42	PCB HOLDER	ANG-502				
NSP	43	PCB HOLDER A	ANG-516	●	86	AMP ASSEMBLY	AWZ4286
NSP	44	SUB TRANS HOLDER	ANG1393	NSP	87	PCB HOLDER	ANG1726
NSP	45	POWER ASSEMBLY HOLDER -F	ANG1575				
NSP	46	PCB HOLDER	ANG1670				
NSP	47	POWER ASSEMBLY HOLDER -R	ANG1683				



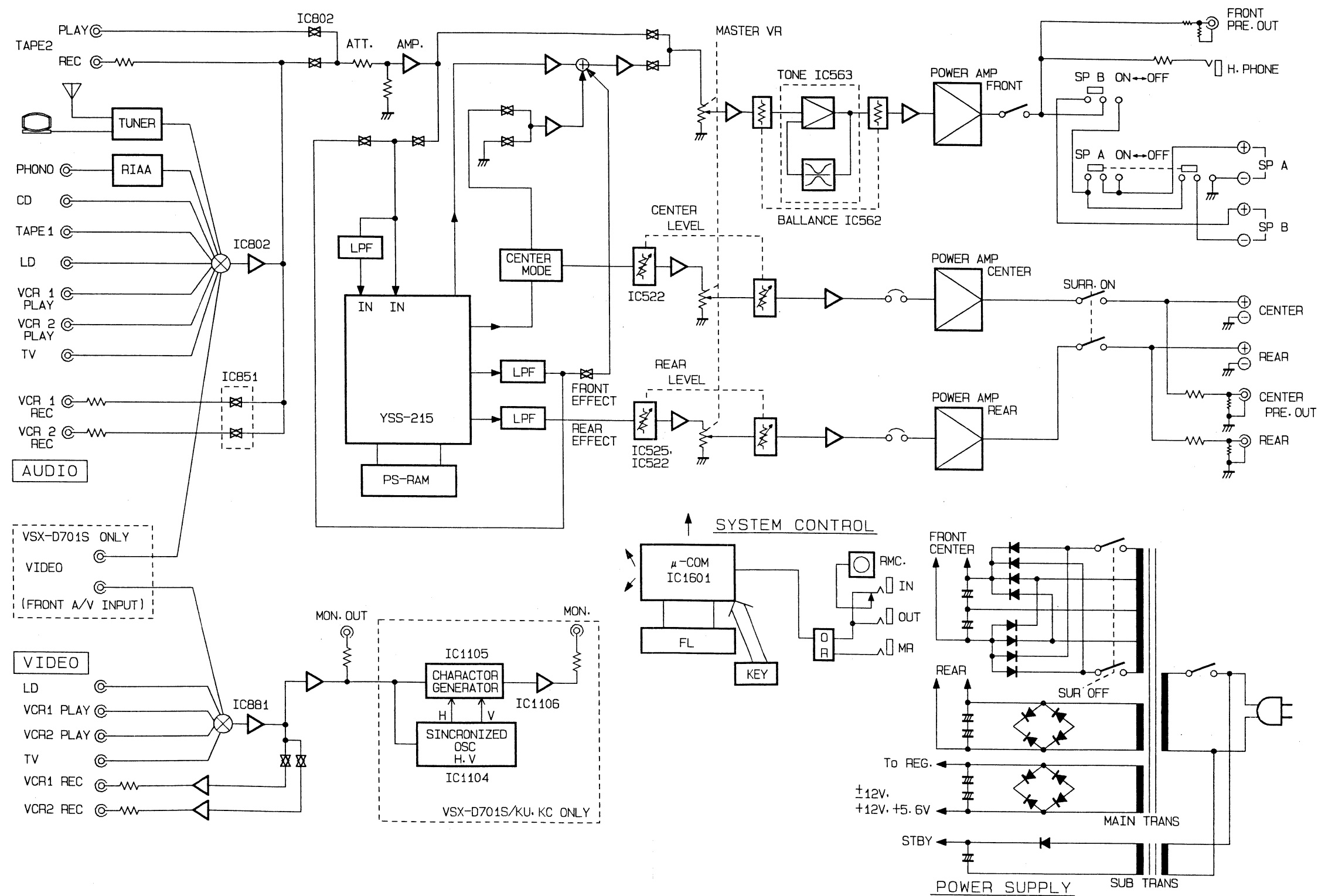
This diagram shows the exploded view of the device components. The components are labeled as follows:

- 49**: A rectangular back cover.
- 31**: A small rectangular component with a circular feature labeled 'F'.
- 33**: A rectangular component with a circular feature labeled 'R' and the word 'FRONT' on its side.
- 32**: An open rectangular box.
- 60**: A small rectangular component with a circular feature.
- 23**: A small rectangular component with a circular feature.
- 52**: A small rectangular component with a grid of small squares.
- 30**: A small cylindrical component.

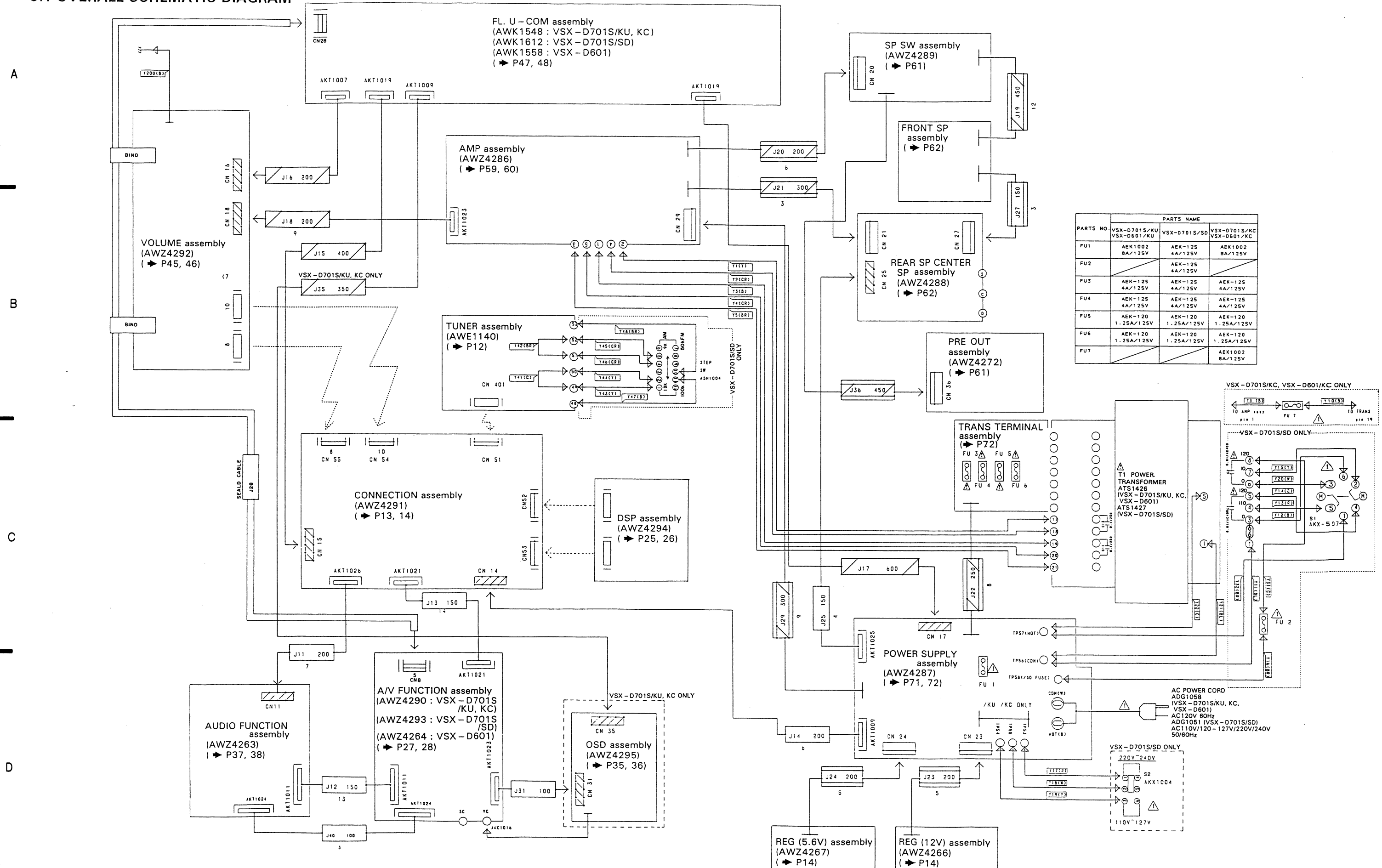
Arrows indicate the assembly sequence: component 31 is inserted into component 33, which is then placed into the box 32. Component 49 is shown as the back cover. Components 60 and 23 are shown as separate parts. Component 52 is shown as a separate part. Component 30 is shown as a separate part.



4. BLOCK DIAGRAM



5.1 OVERALL SCHEMATIC DIAGRAM



Note:

(Type 1)

1. When ordering service parts, be sure to refer to "PARTS LIST of EXPLODED VIEWS" or "PCB PARTS LIST".

2. Since these are basic circuits, some parts of them or the values of some components may be changed for improvement.

3. RESISTORS:

Unit: k: k Ω , M: M Ω , or Ω unless otherwise noted.

Rated power: 1/4W, 1/6W, 1/8W, 1/10W unless otherwise noted.

Tolerance: (F): $\pm 1\%$, (G): $\pm 2\%$, (K): $\pm 10\%$, (M): $\pm 20\%$ or $\pm 5\%$ unless otherwise noted.

4. CAPACITORS:

Unit: p: pF or μ F unless otherwise noted.Ratings: capacitor (μ F)/ voltage (V) unless otherwise noted.

Rated voltage: 50V except for electrolytic capacitors.

5. COILS:

Unit: m: mH or μ H unless otherwise noted.

6. VOLTAGE AND CURRENT:

V : Signal voltage at rated output.

: DC voltage (V) at no input signal unless otherwise noted.

Value in () is DC voltage at rated power.

mA or - mA : DC current at no input signal unless otherwise noted.

7. OTHERS:

: Signal route.

: Adjusting point.

: Measurement point.

The Δ mark found on some component parts indicates the importance of the safety factor of the parts. Therefore, when replacing, be sure to use parts of identical designation.

8. SWITCHES (Underline indicates switch position):

S1 LINE VOLTAGE SELECTOR (VSX-D701S/SD ONLY)

AC110V/120-127V/220V/240V

S2 LINE VOLTAGE SELECTOR (VSX-D701S/SD ONLY)

AC110-127V/220-240V

S3 SLIDE SWITCH (9k/10k)(VSX-D701S/SD ONLY)

FL. U - COM assembly

S601 SIMULATED STEREO

S603 POWER

S604 ASC MEMORY

S605 THEATER

S606 VIDEO SELECTOR

S607 BAND

S608 ASC 1

S609 PROLOGIC THEATER

S611 TUNING DOWN

S612 ASC 2

S613 EFFECT DOWN

S614 VCR 1

S615 TUNING UP

S616 MEMORY

S617 BASS DOWN

S618 VCR 2

S619 1

S620 CUSTOM SELECT

S621 TREBLE DOWN

S622 LD

S623 2

S624 SCAN

S625 PROLOGIC

S626 TV

S627 3

S628 AUTO MONO

S629 BALANCE LCH

S630 VIDEO (VSX-D701S ONLY)

S631 4

S632 AUTO MANUAL

S633 EFFECT UP

S634 TAPE 1/DAT

S635 5

S636 DIRECT ACCESS

S637 BASS UP

S638 TAPE 2/MONITOR

S639 6

S640 HITS

S641 3CH LOGIC

S642 CD

S643 7

S644 SIMULATED SURR.

(VSX-D701S ONLY)

S645 TREBLE UP

S646 TUNER

S647 8

S648 JAZZ (VSX-D701S ONLY)

S649 BALANCE RCH

S650 PHONO

S651 9

S652 CHURCH (VSX-D601)

SIMULATED SURR. (VSX-D701S)

S653 RETURN

S654 ACOUSTIC SELECT

S655 0

S656 DANCE

S657 MUTING

S658 ACOUSTIC MEMORY

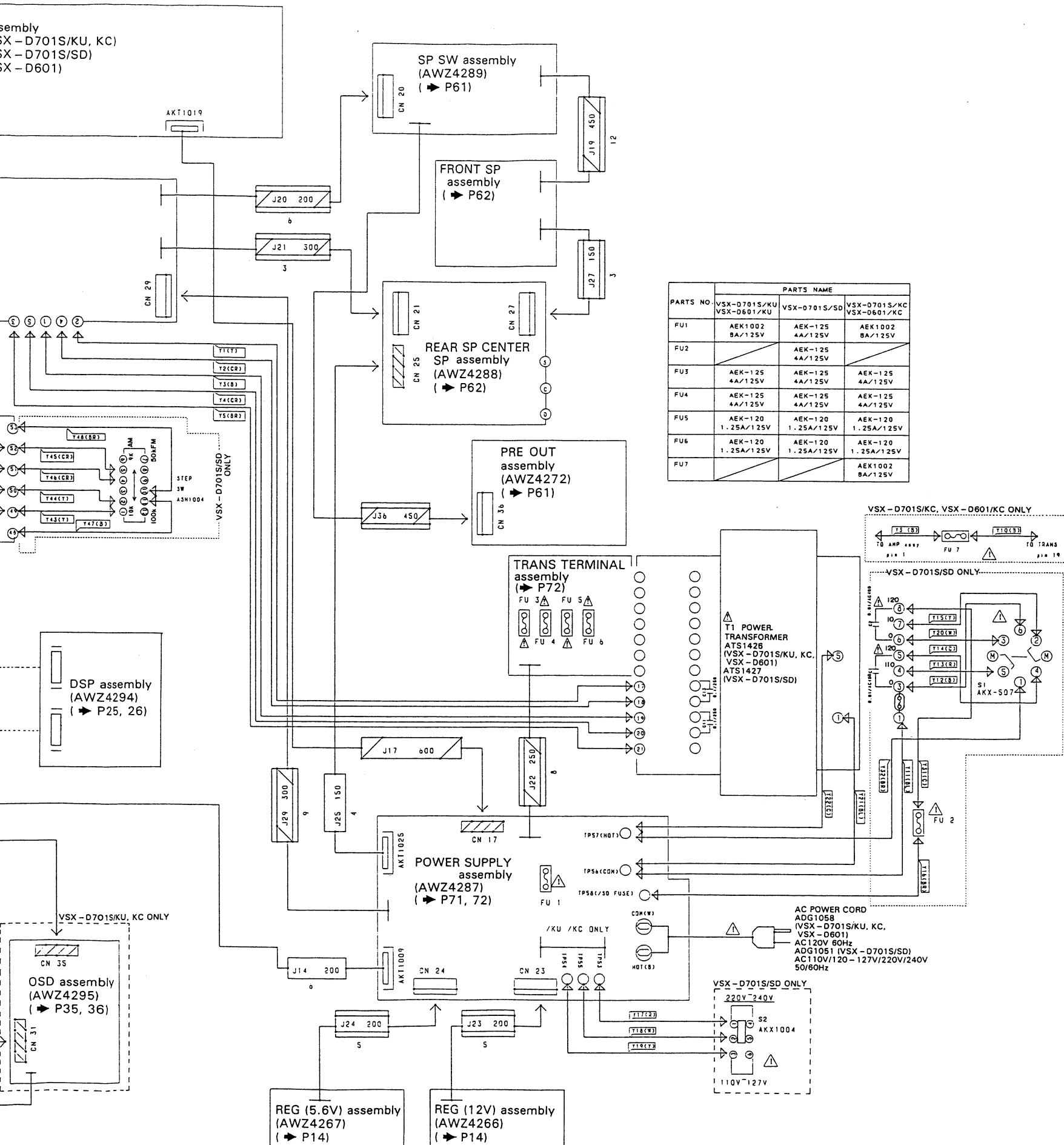
S659 RESET

S660 HALL

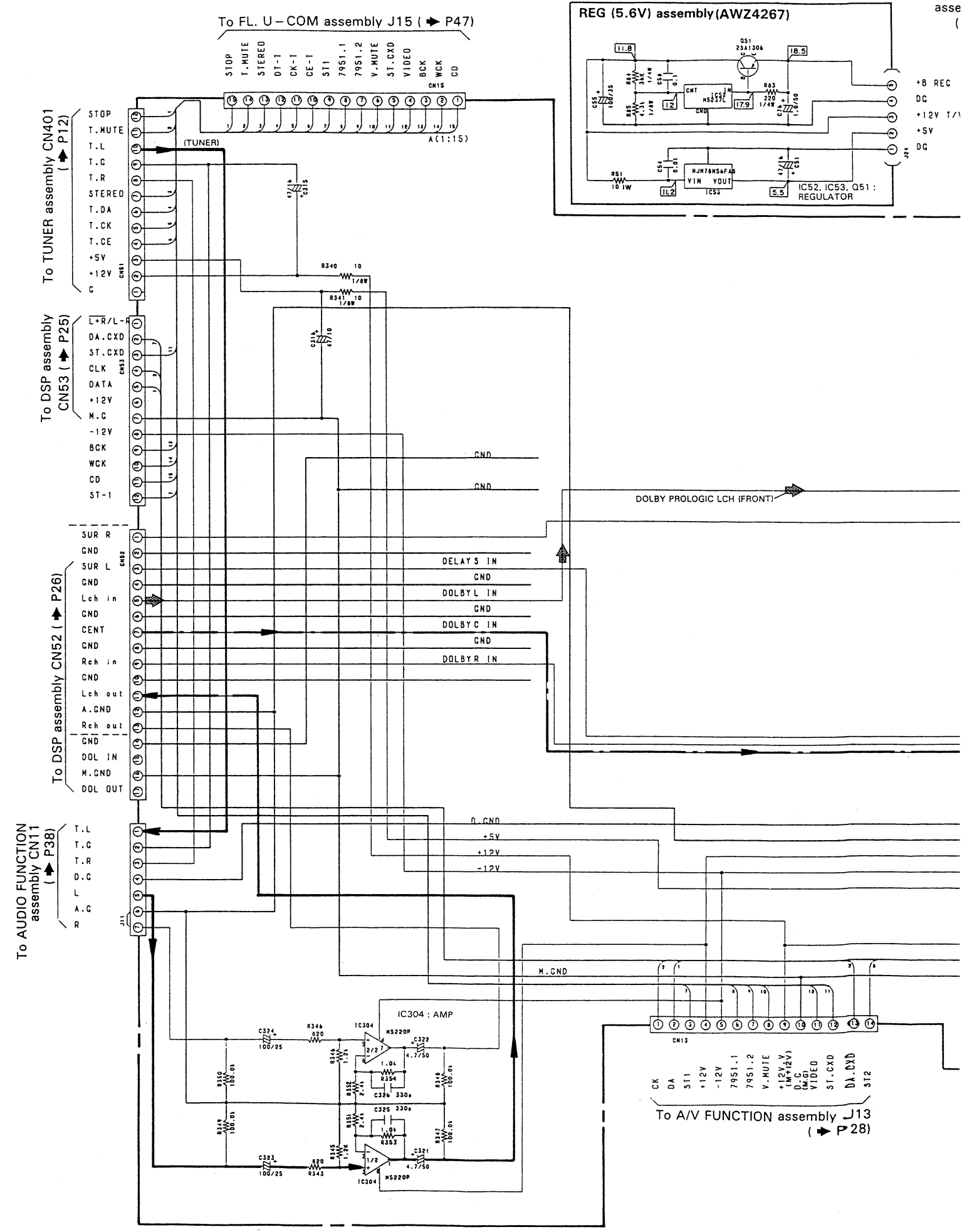
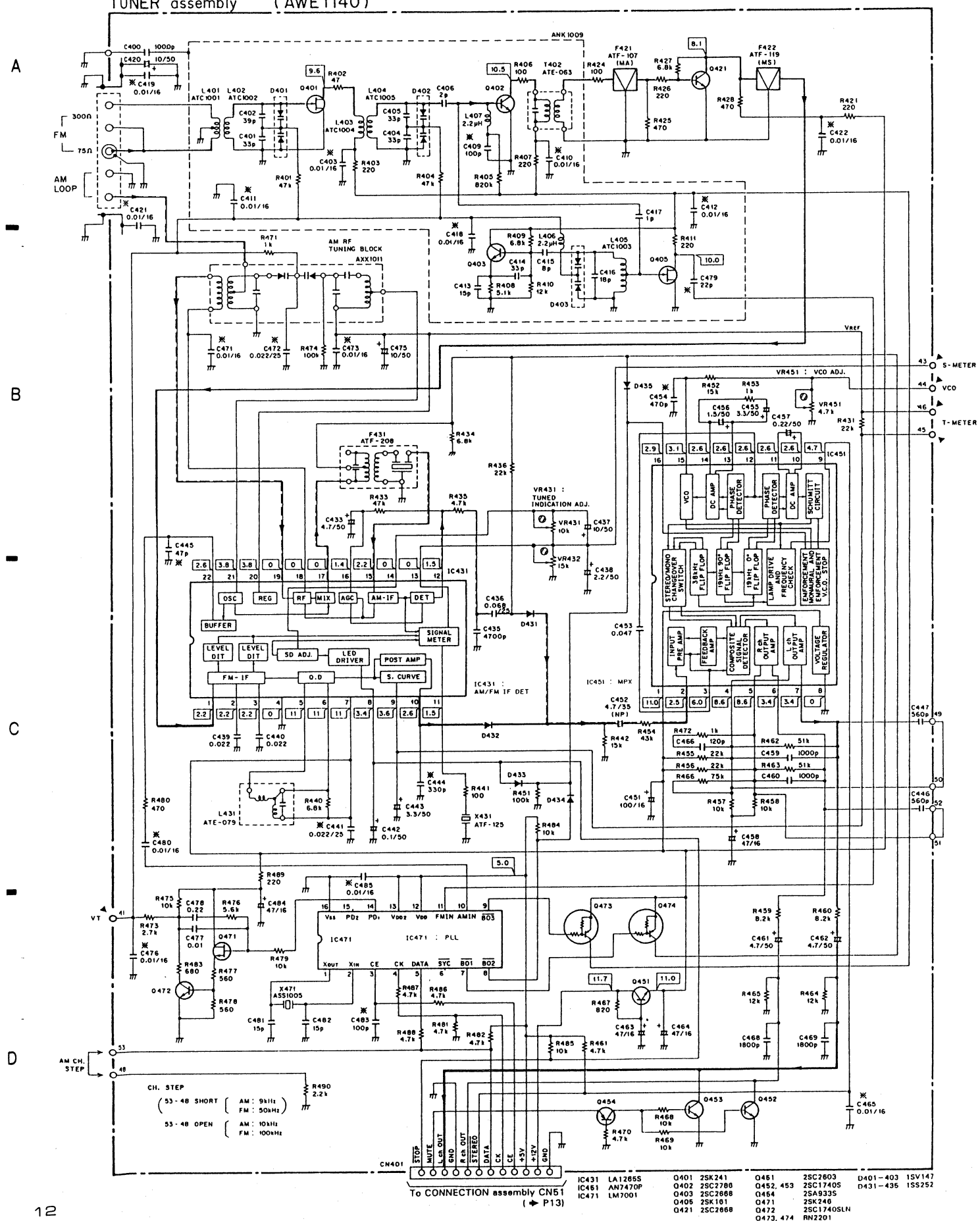
SP SW assembly

S251 SP-A ON/OFF

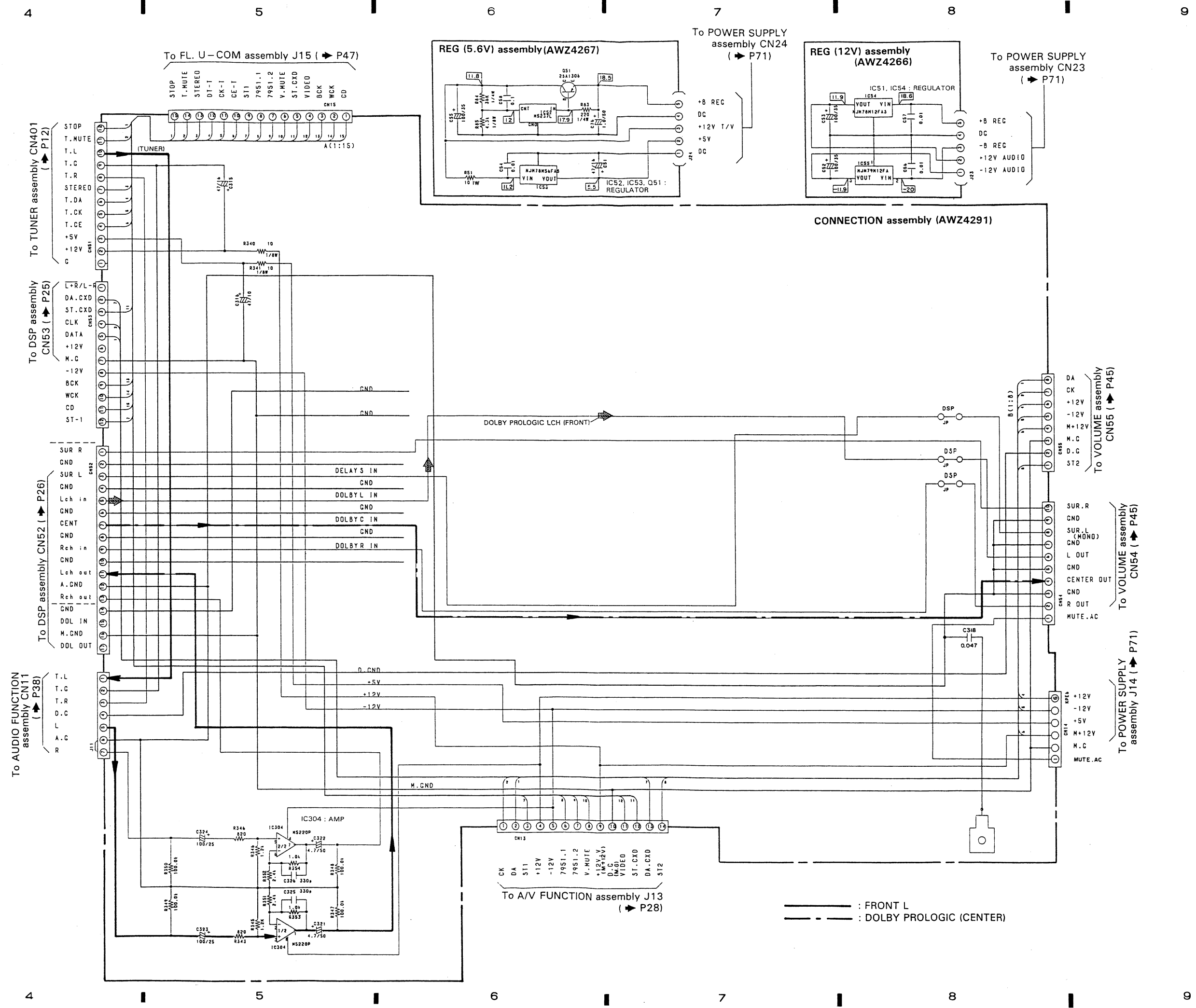
SP-B ON/OFF



TUNER assembly (AWE1140)



EG (5.6V)



To POWER SUPPLY assembly CN23 (➔ P70)

To POWER SUPPLY assembly CN24 (➔ P70)

To VOLUME assembly CN55 (➔ P44)

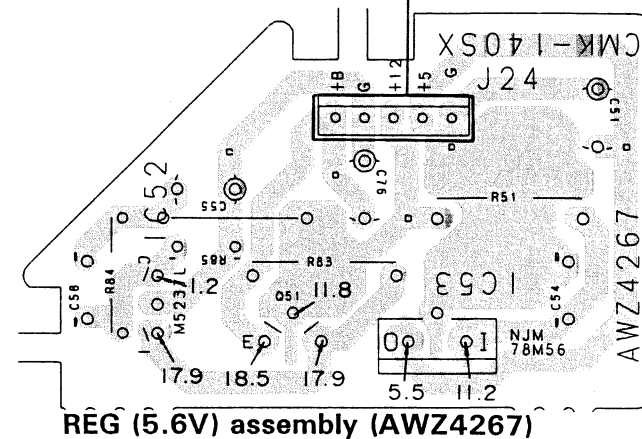
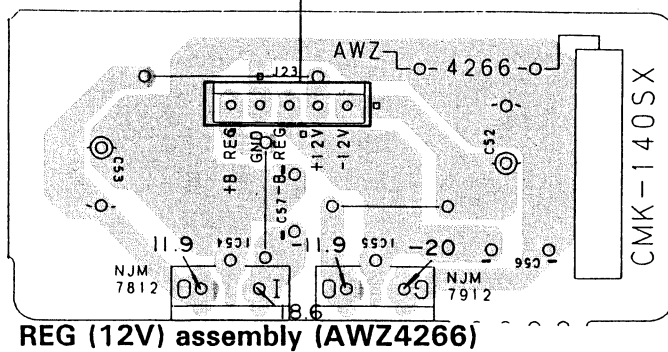
To DSP assembly

A

VSX-D701S/SD ONLY

9kHz

10kHz



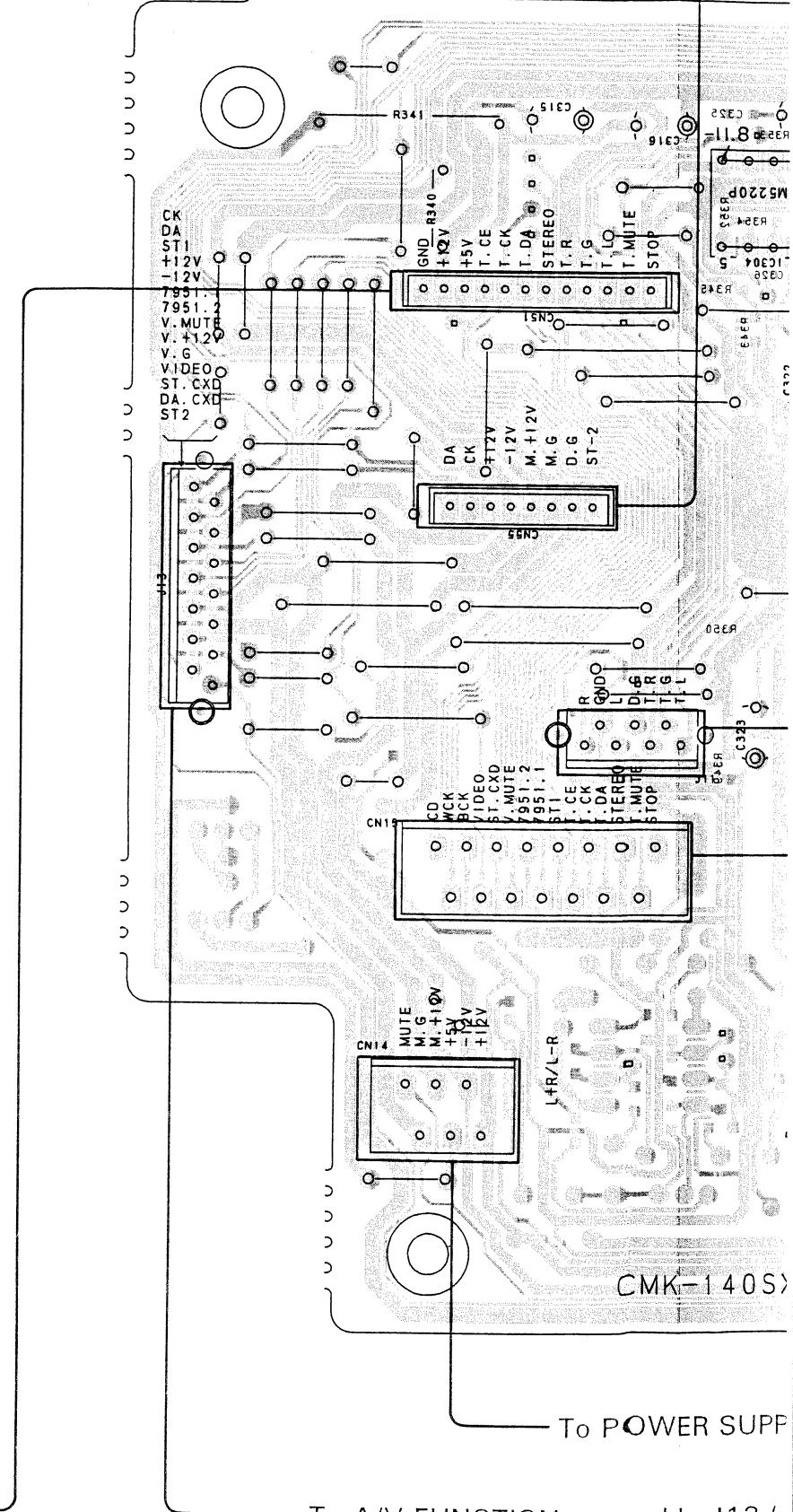
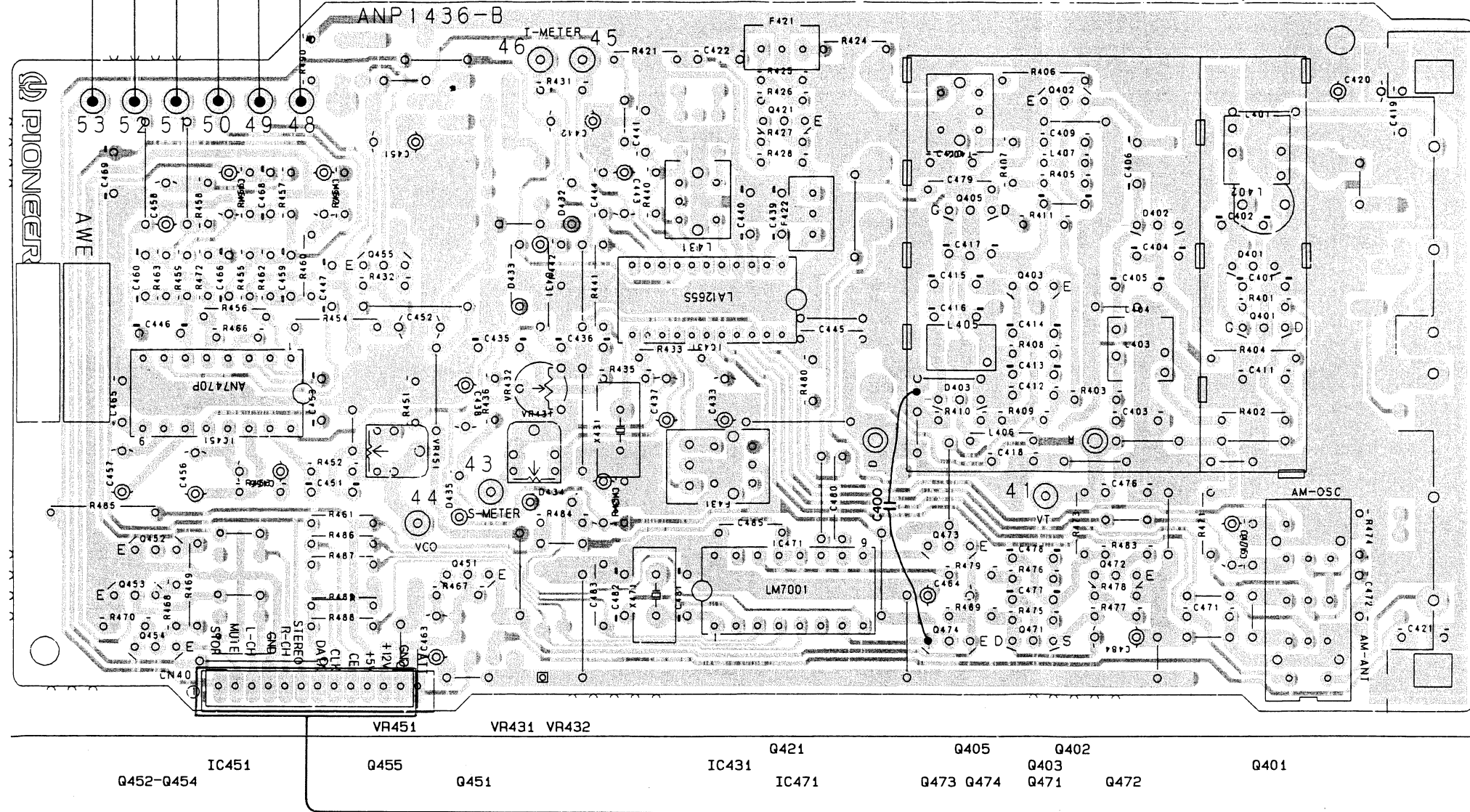
TUNER assembly (AWE1140)

CONNECTION assembly (AWZ4291)

B

C

D

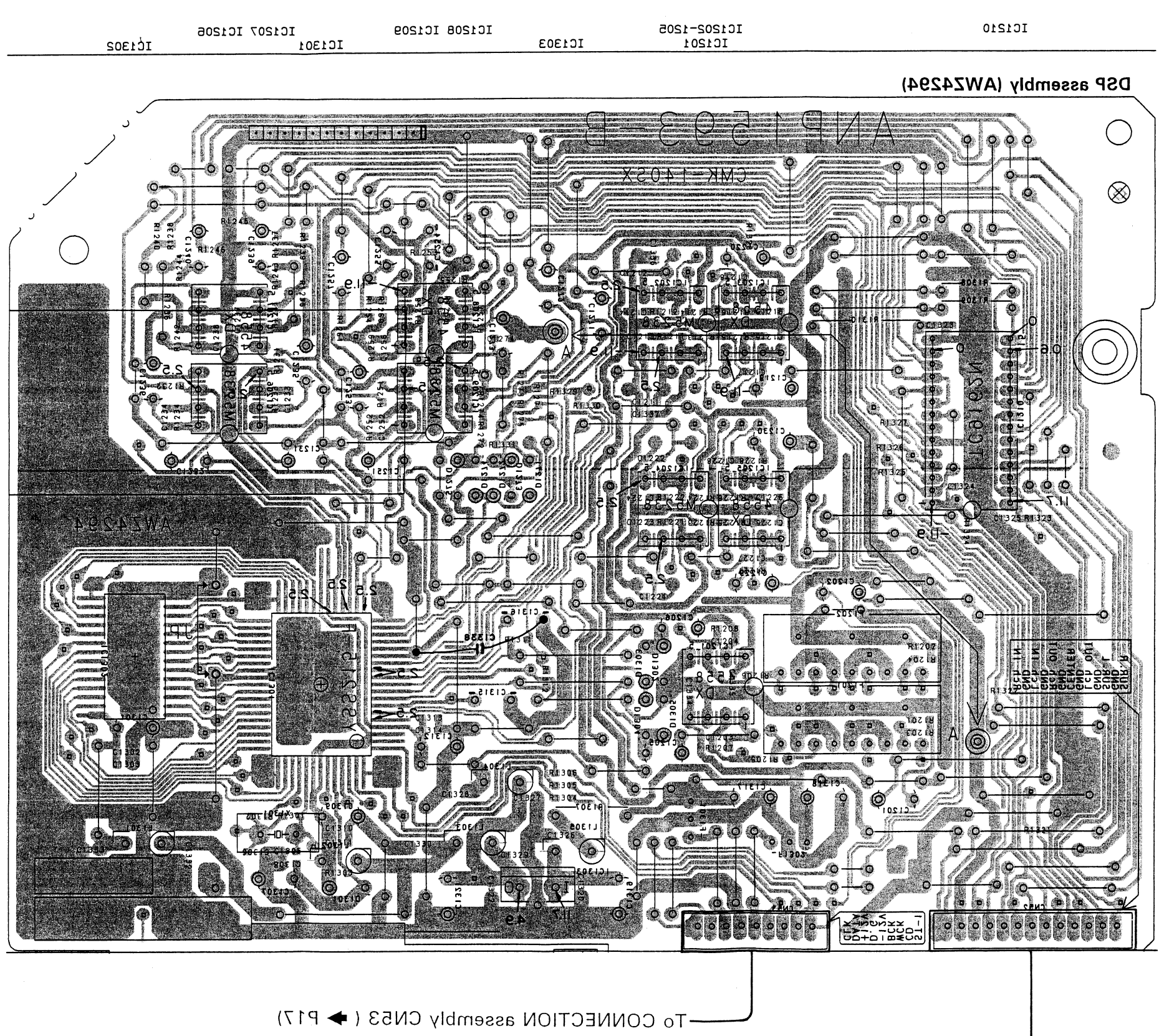


To A/V FUNCTION assembly J13 (

Q405		Q402		
		Q403		Q401
Q473	Q474	Q471	Q472	

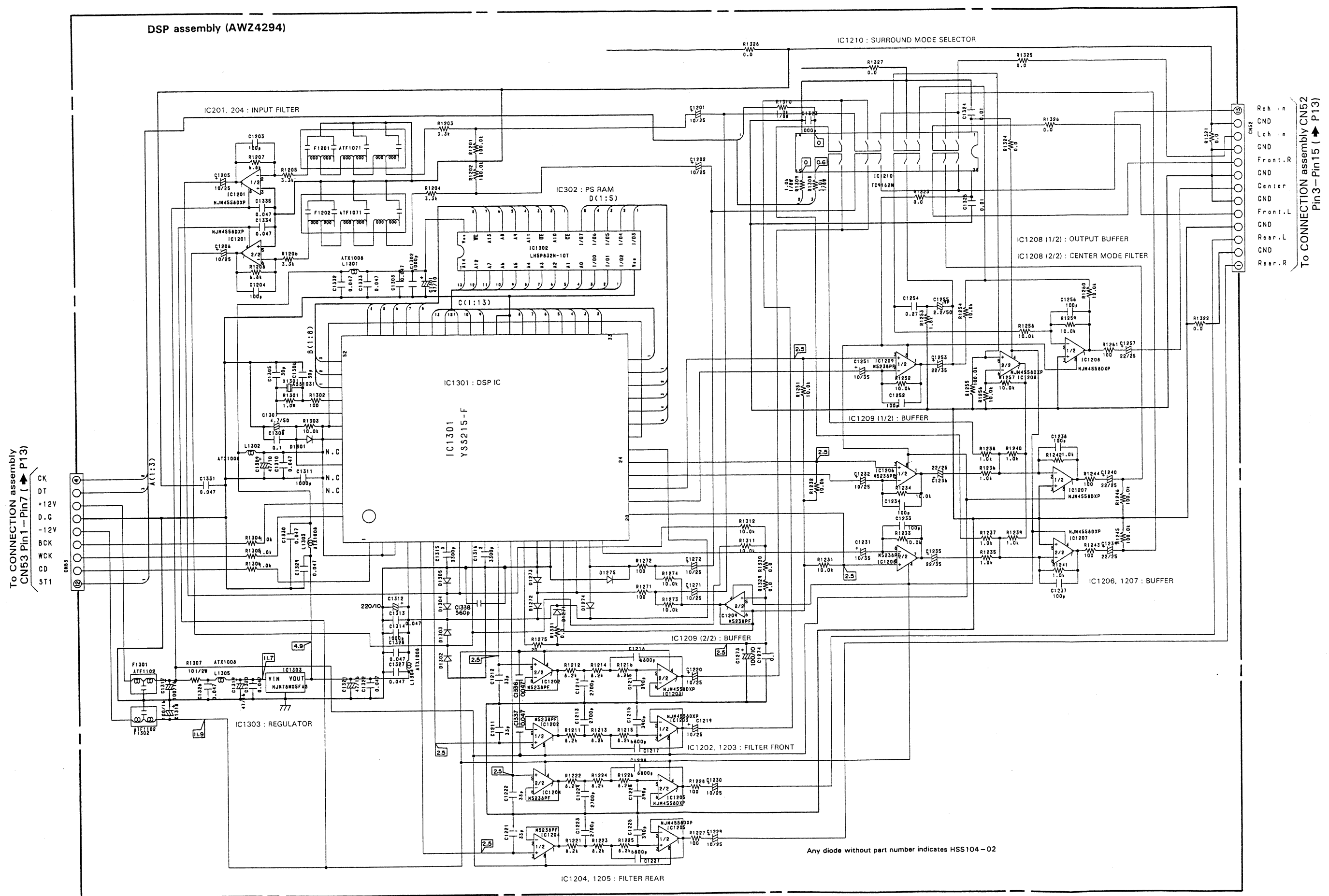
5.3 DSP ASSEMBLY

This P. C. B. connection diagram is viewed from the foil side.



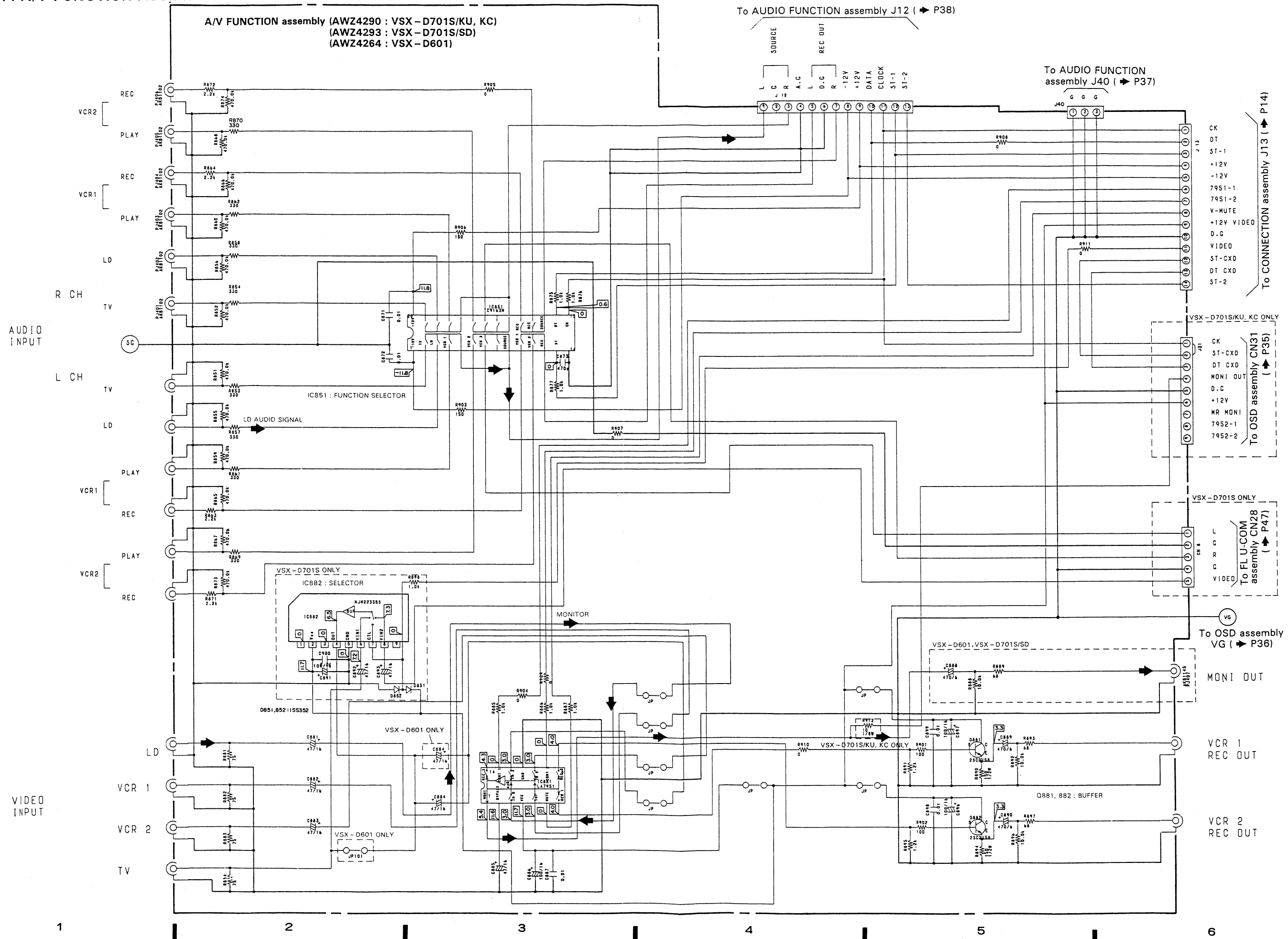
TO CONNECTION assembly CN25 (P17)

TO CONNECTION assembly CN23 (P17)



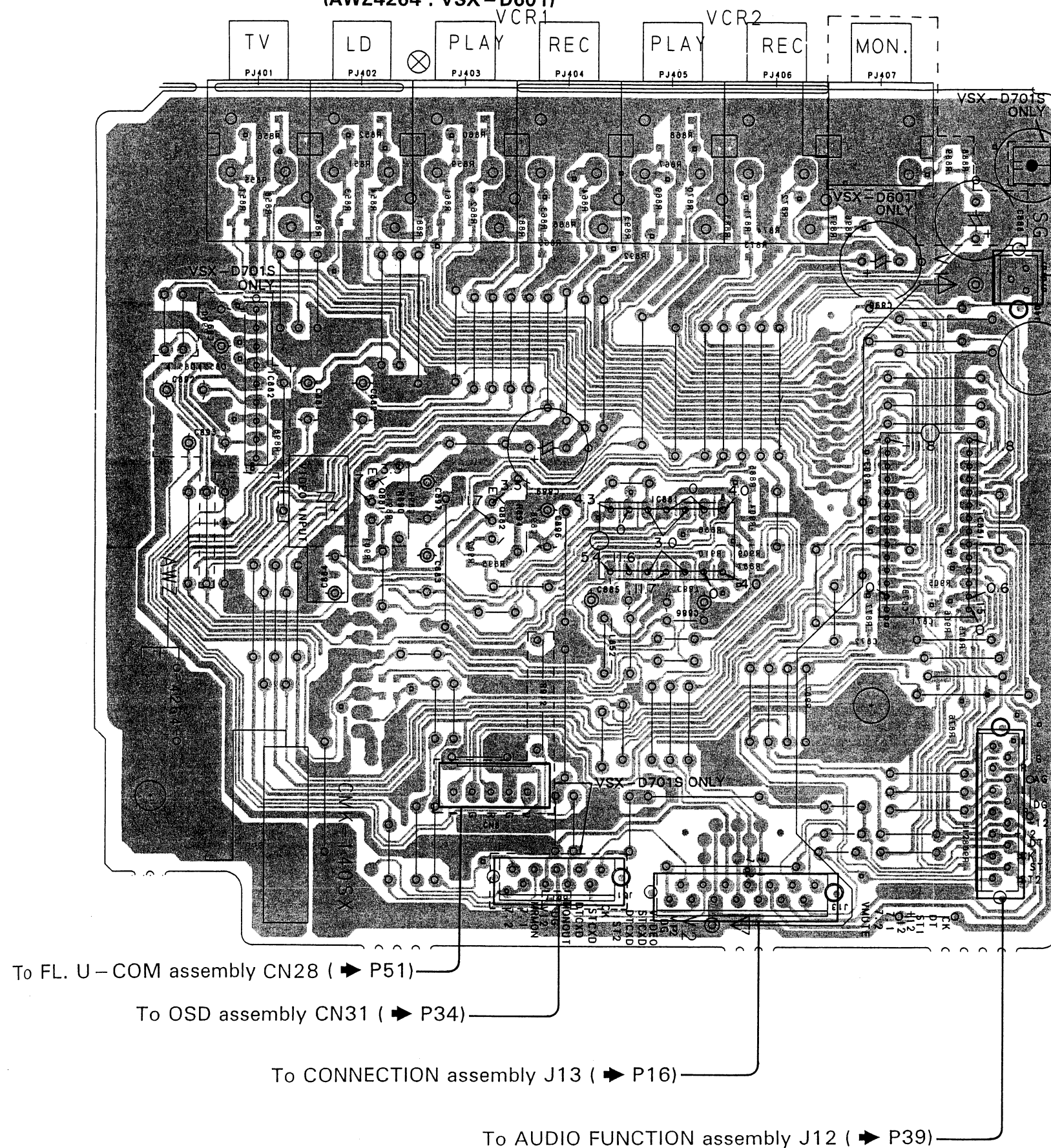
Any diode without part number indicates HSS104-02

5.4 A/V FUNCTION ASSEMBLY



A/V FUNCTION assembly (AWZ4290 : VSX-D701S/KU, KC)
 (AWZ4293 : VSX-D701S/SD)
 (AWZ4264 : VSX-D601)

This P. C. B connection diagram is viewed from the parts mounted side.



NOTE

1. This P.C.B. connection diagram is viewed from the parts mounted side.
2. The parts which have been mounted on the board can be replaced with those shown with the corresponding wiring symbols listed in the following Table.
3. The capacitor terminal marked with ⊙ (double circles) shows negative terminal.
4. The diode terminal marked with ⊙ (double circles) shows cathode side.
5. The transistor terminal to which E is affixed shows the emitter.

P.C.B. pattern diagram indication	Corresponding part symbol	Part Name
0504		Transistor
0215		Radiator type transistor
0203		Diode
R237		Resistor
C513		Capacitor (Polarized)
C518		Capacitor (Non-polarized)

Others

P.C.B. pattern diagram indication	Part Name
IC	IC
S	Switch
RY	Relay
L	Coil
F	Filter
VR	Variable resistor or Semi-fixed resistor

(FOR CANADIAN MODEL ONLY)

Fuse symbols (Fast Operating Fuse) and/or (Slow Operating Fuse) on P.C.B. indicate that replacement parts must be of identical designation.

(POUR MODÈLE CANADIEN SEULEMENT)

Sur P.C.B., les symboles de fusible (Fusible de type rapide) et/ou (Fusible de type lent) indiquent que les pièces de remplacement doivent avoir la même désignation.

a



4

3

2

1

D

C

B

A

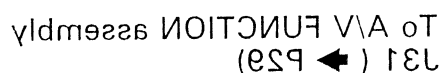
A

8

C

D

To A/V FUNCTION assembly 2G (P30) ◀ (03P)



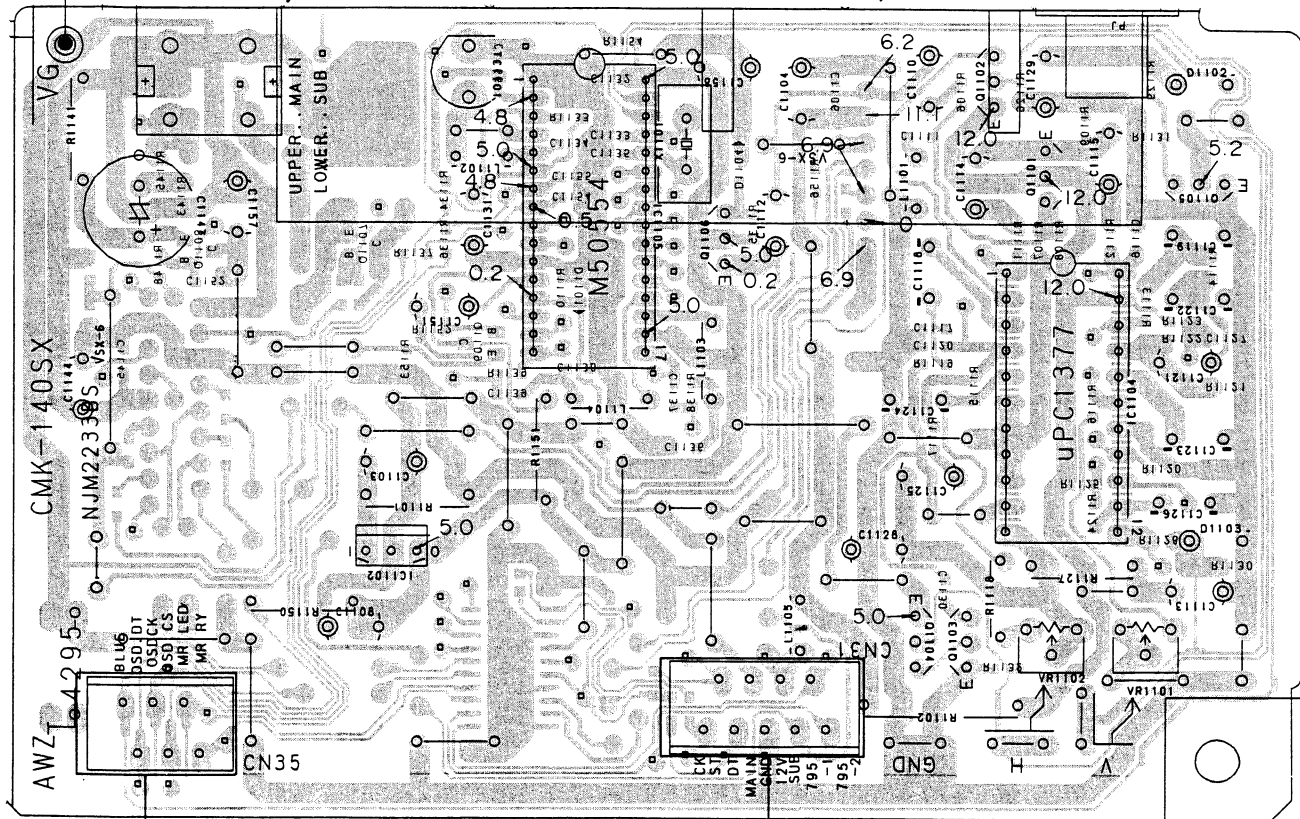
735 (← p51)
To FL. U – COM assembly

C

This P. C. B. connection diagram is viewed from the foil side.

To A/V FUNCTION assembly SG (➡ P30)

OSD assembly (AWZ4295 : VSX - D701S/KU, KC ONLY)



To FL. U - COM assembly
J35 (➡ P51)

To A/V FUNCTION assembly
J31 (➡ P29)

This P. C. B connection diagram is viewed from the parts mounted side.

NOTE

1. This P.C.B. connection diagram is viewed from the parts mounted side.
2. The parts which have been mounted on the board can be replaced with those shown with the corresponding wiring symbols listed in the following Table.
3. The capacitor terminal marked with ⊙ (double circles) shows negative terminal.
4. The diode terminal marked with ⊙ (double circles) shows cathode side.
5. The transistor terminal to which E is affixed shows the emitter.

P.C.B. pattern diagram indication	Corresponding part symbol	Part Name
		Transistor
		Radiator type transistor
		Diode
		Resistor
		Capacitor (Polarized)
		Capacitor (Non-polarized)

Others

P.C.B. pattern diagram indication	Part Name
IC	IC
S	Switch
RY	Relay
L	Coil
F	Filter
VR	Variable resistor or Semi-fixed resistor

(FOR CANADIAN MODEL ONLY)

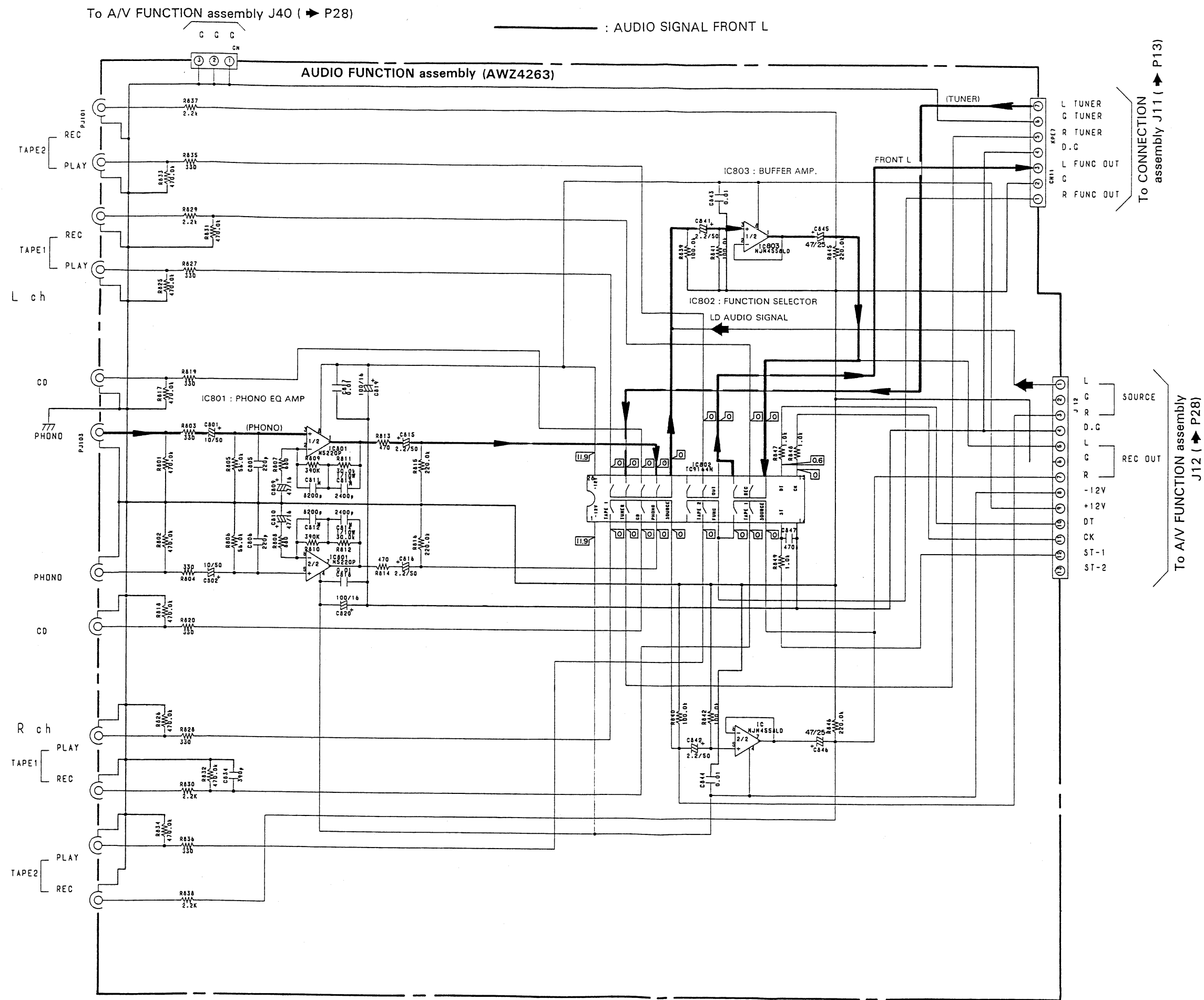
Fuse symbols - (Fast Operating Fuse) and/or (Slow Operating Fuse) on P.C.B. indicate that replacement parts must be of identical designation.

(POUR MODÈLE CANADIEN SEULEMENT)

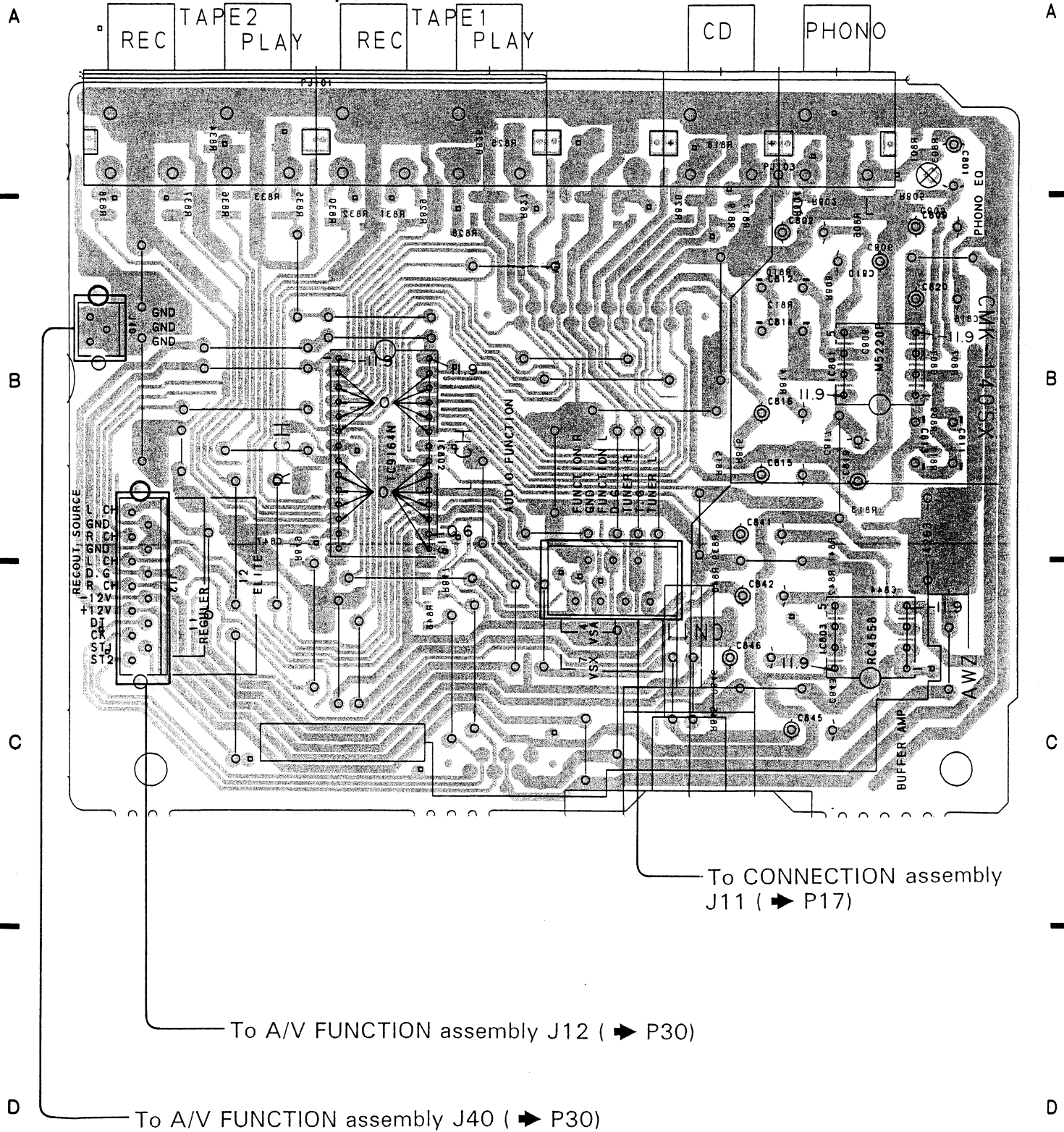
Sur P.C.B., les symboles de fusible (Fusible de type rapide) et/ou (Fusible de type lent) indiquent que les pièces de remplacement doivent avoir la même désignation.



5.6 AUDIO FUNCTION ASSEMBLY

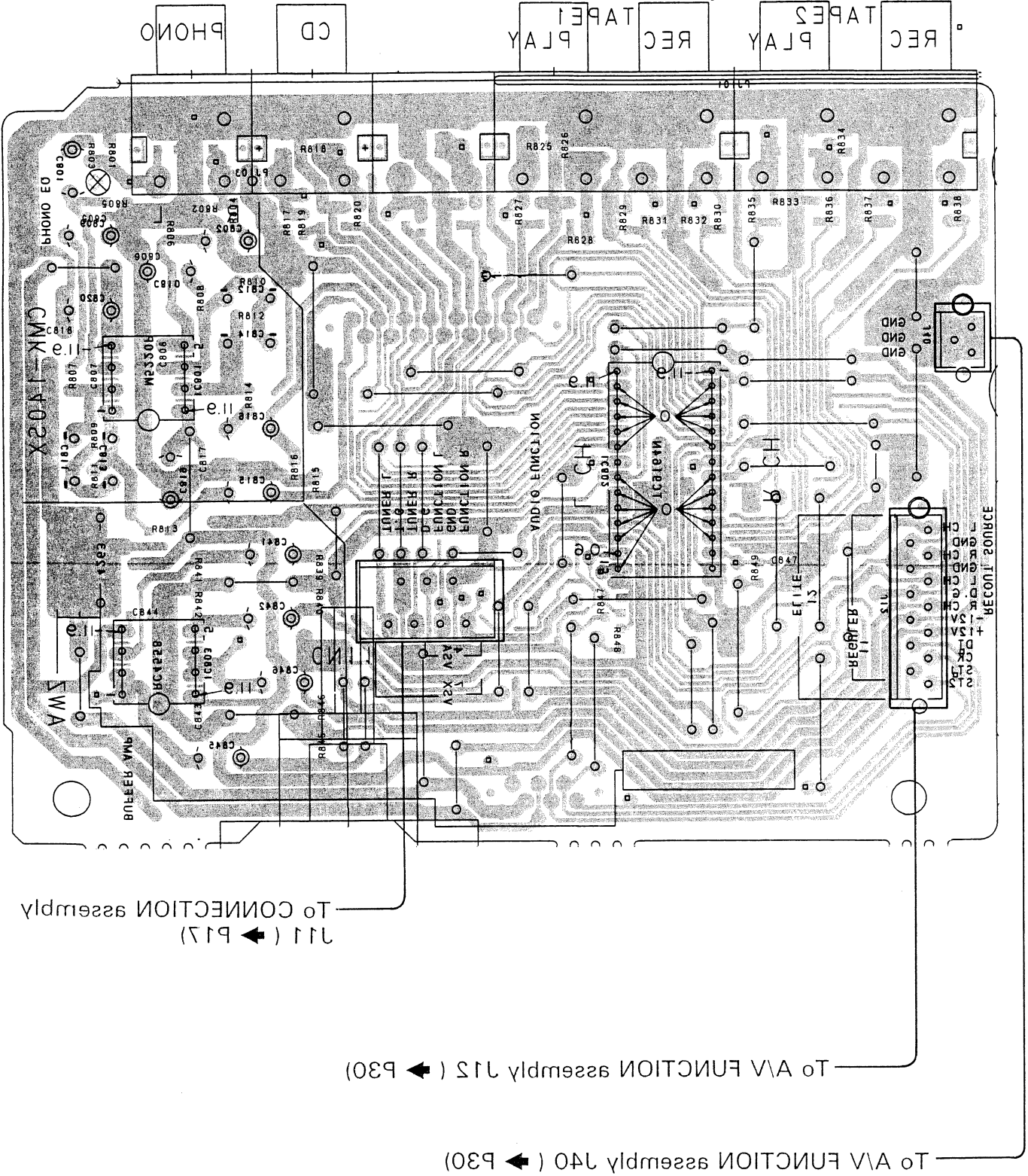


AUDIO FUNCTION assembly (AWZ4263)



This P. C. B connection diagram is viewed from the parts mounted side.

AUDIO FUNCTION assembly (AW45263)



A



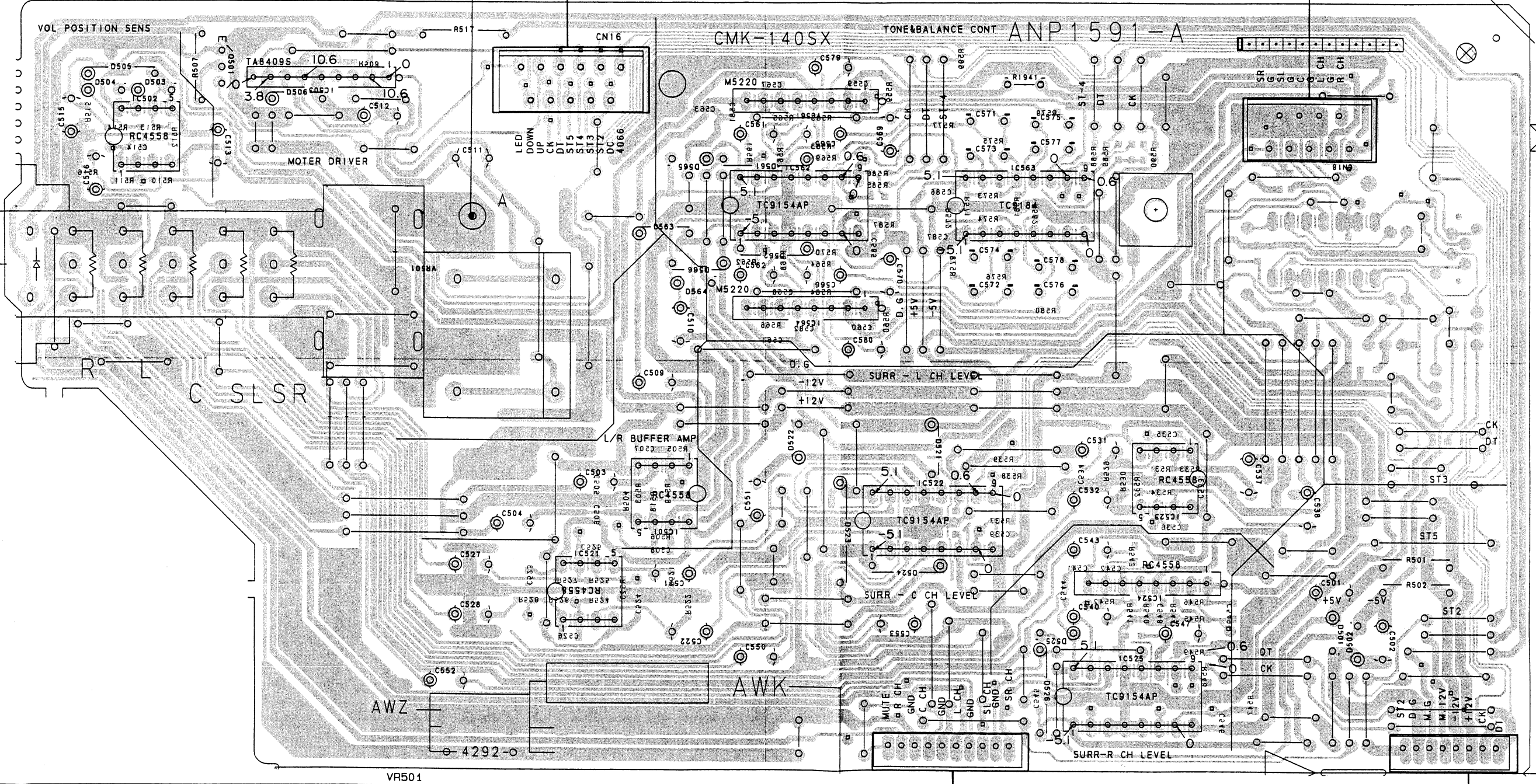
□

4

To FL. U - COM assembly J16 (➡ P51)

To AMP assembly J18 (➡ P61)

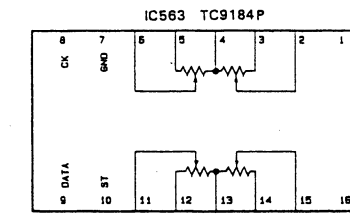
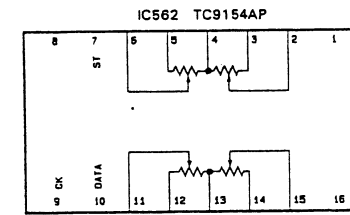
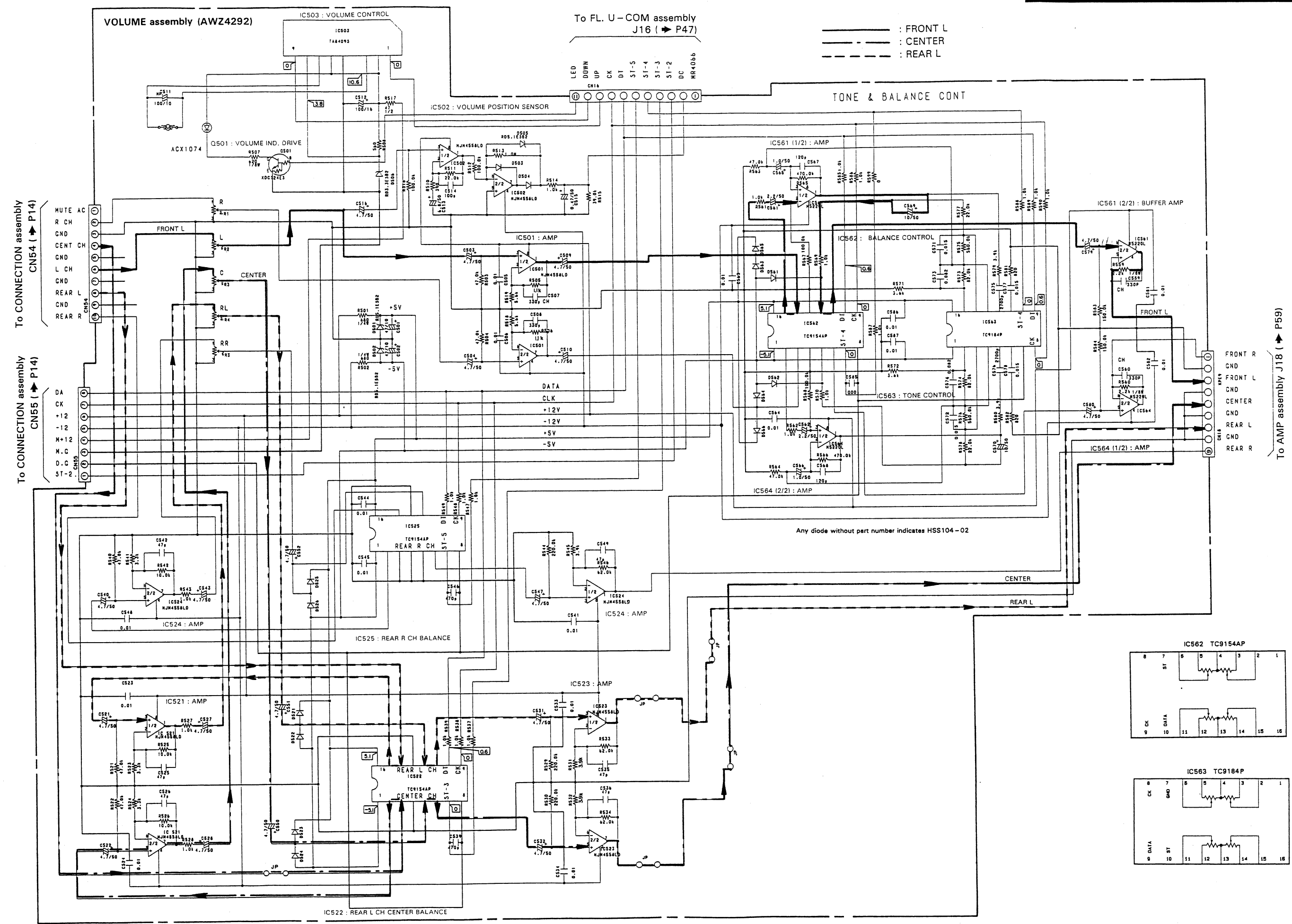
VOLUME assembly (AWZ4292)



This P. C. B connection diagram is viewed from the parts mounted side.

To CONNECTION assembly CN54 (➡ P17)

To CONNECTION assembly CN55 (➡ P16)



A



C

D

A

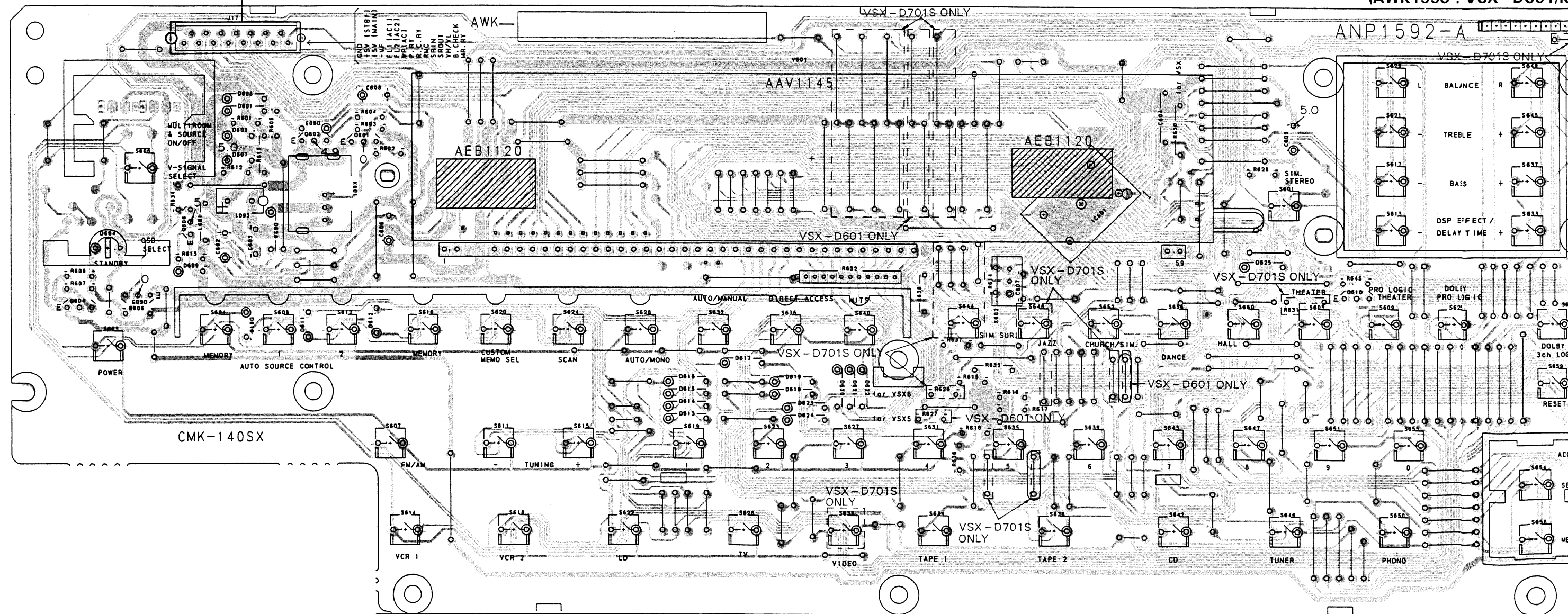
To POWER SUPPLY assembly CN17 (➡ P70)

FL. U-COM assembly (AWK1548 : VSX-D701S/
 (AWK1612 : VSX-D701S/
 (AWK1558 : VSX-D601/K

B

C

D

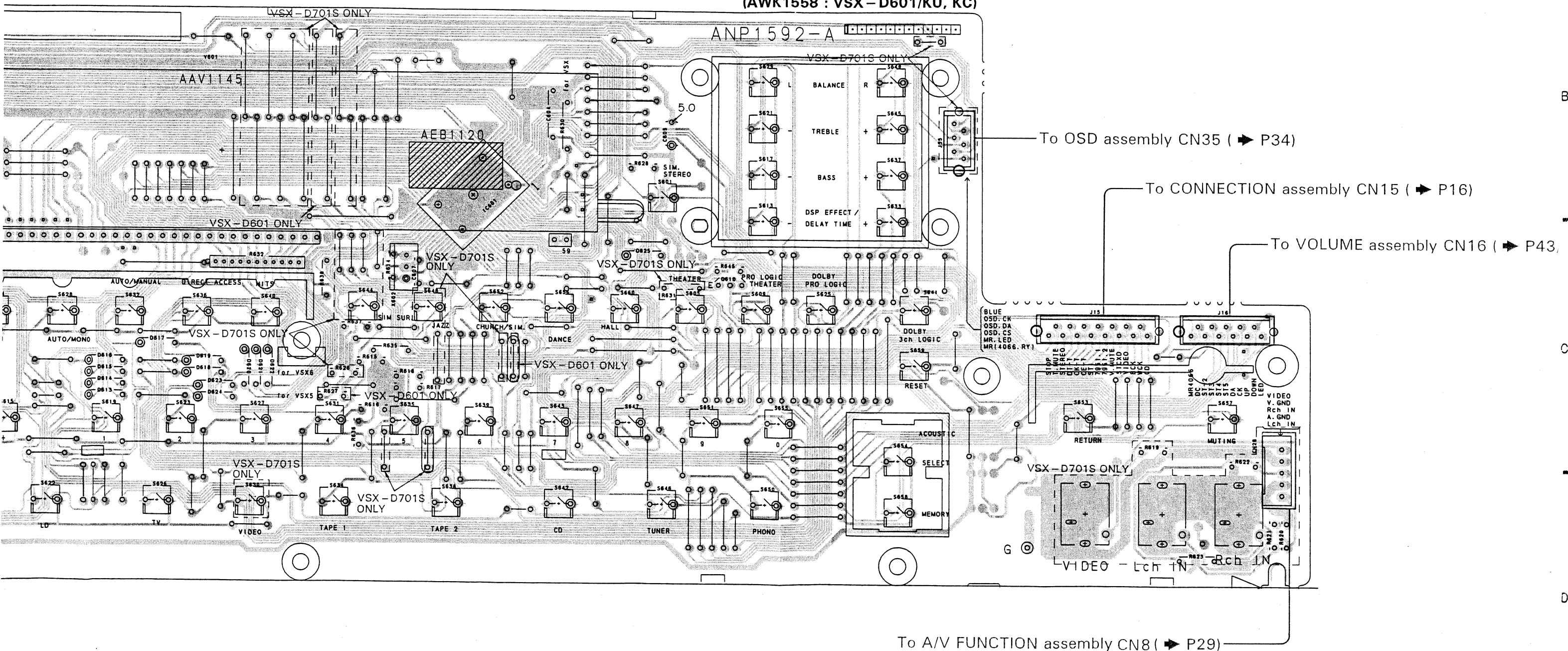


This P. C. B connection diagram is viewed from the parts mounted side.

To A

(➡ P70)

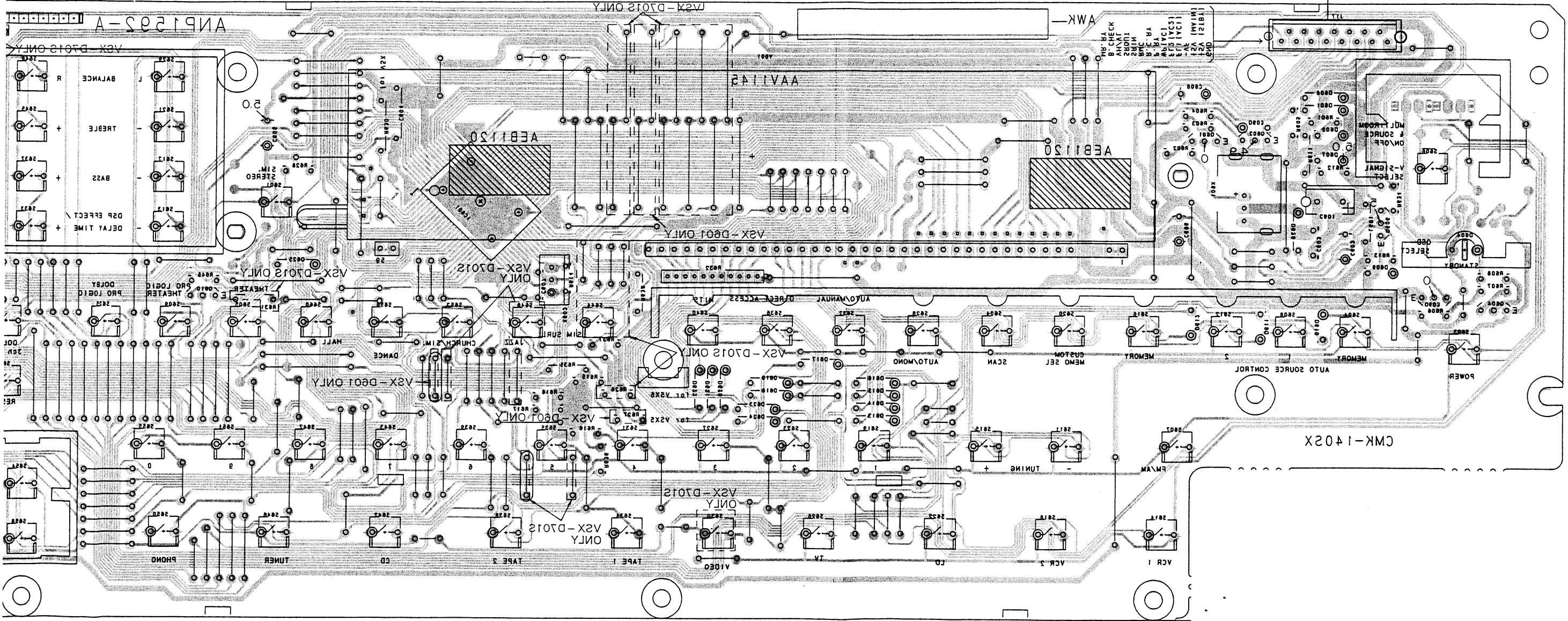
FL. U-COM assembly (AWK1548 : VSX-D701S/KU, KC)
(AWK1612 : VSX-D701S/SD)
(AWK1558 : VSX-D601/KU, KC)



This P. C. B connection diagram is viewed from the parts mounted side.

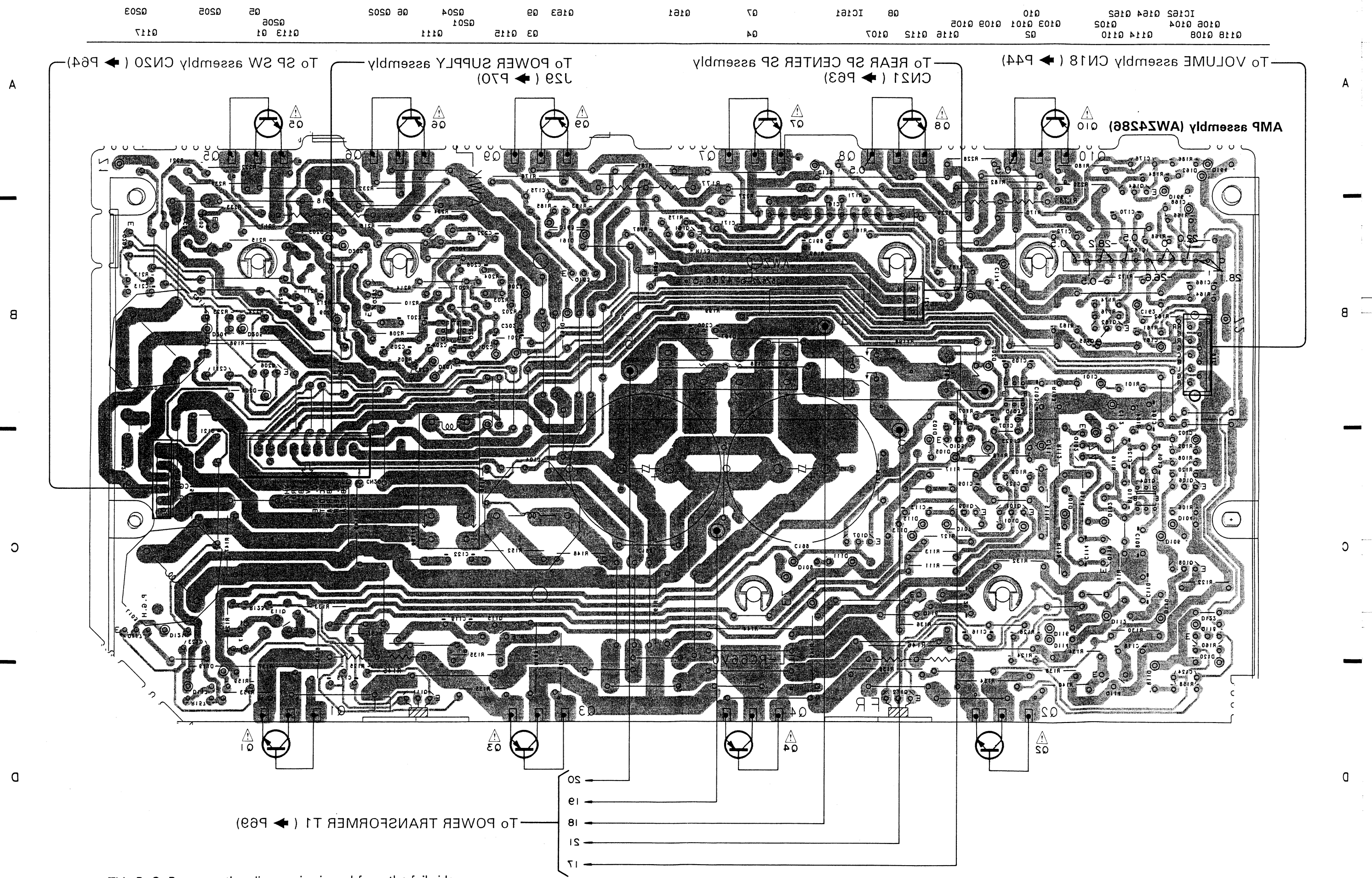
To POWER SUPPLY assembly CN17 (P70)

FL. U-COM assembly (AWK1548 : VSX-D701
(AWK1612 : VSX-D701
(AWK1558 : VSX-D601



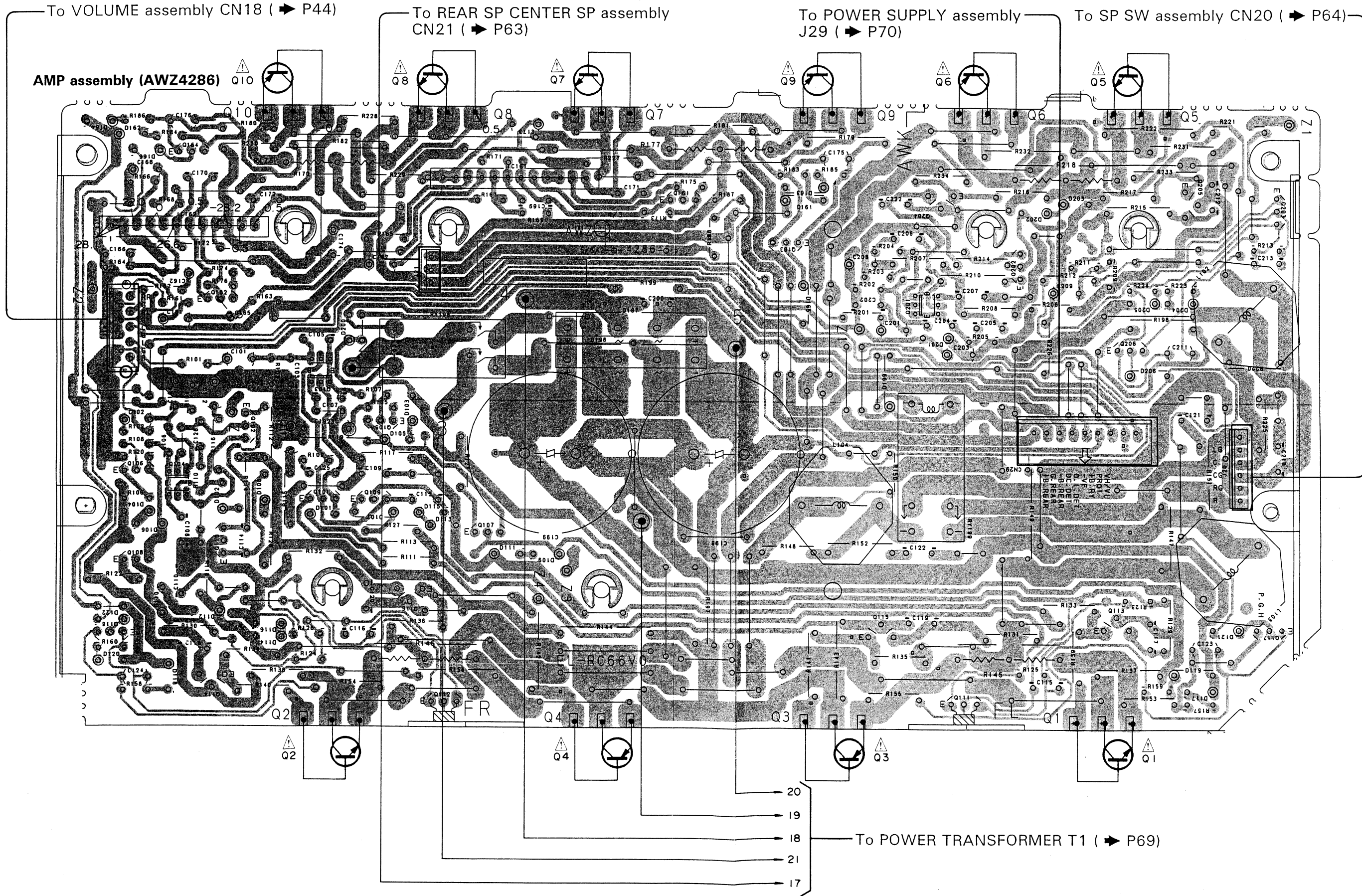
This P. C. B. connection diagram is viewed from the foil side.

5.9 AMP ASSEMBLY

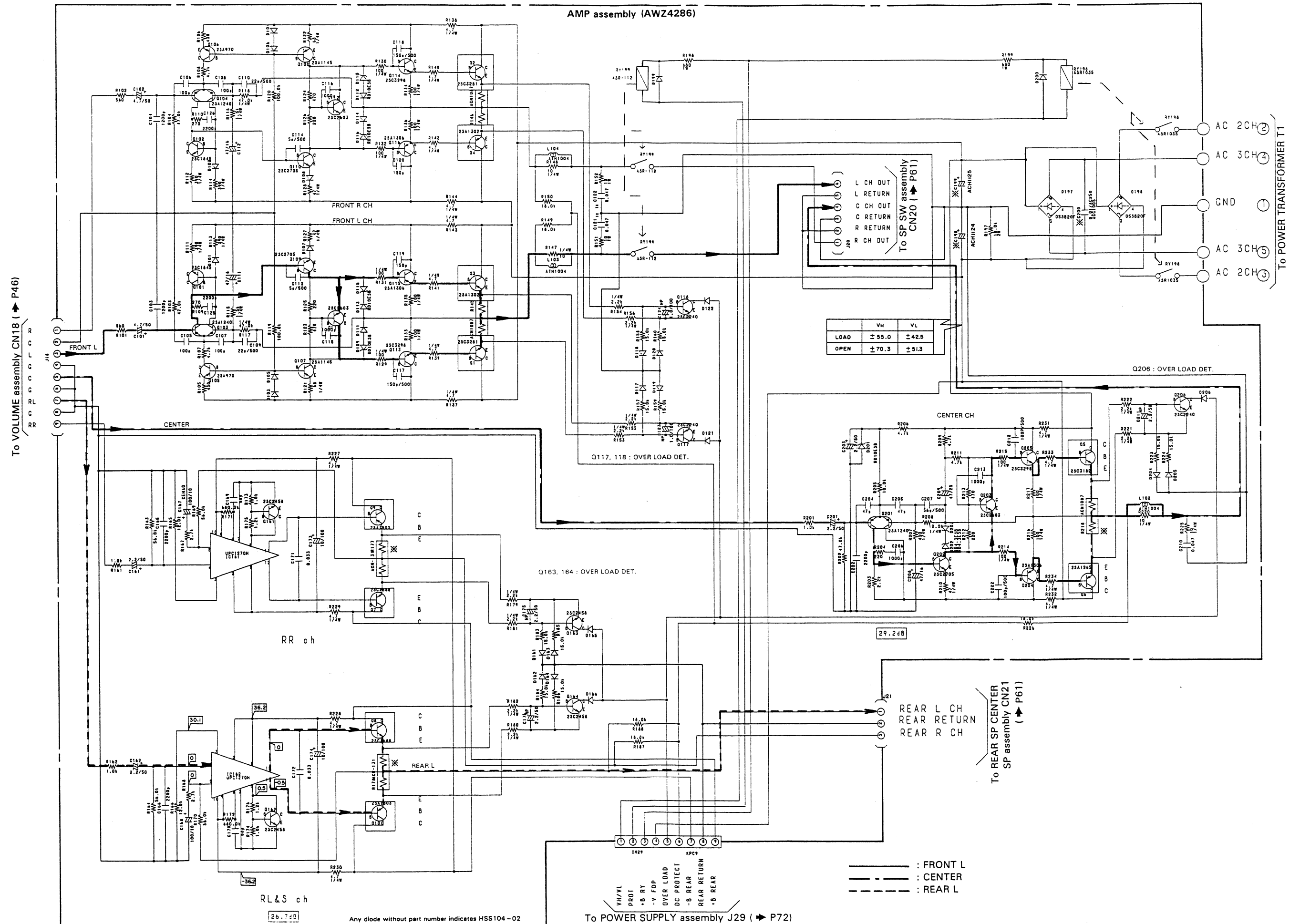


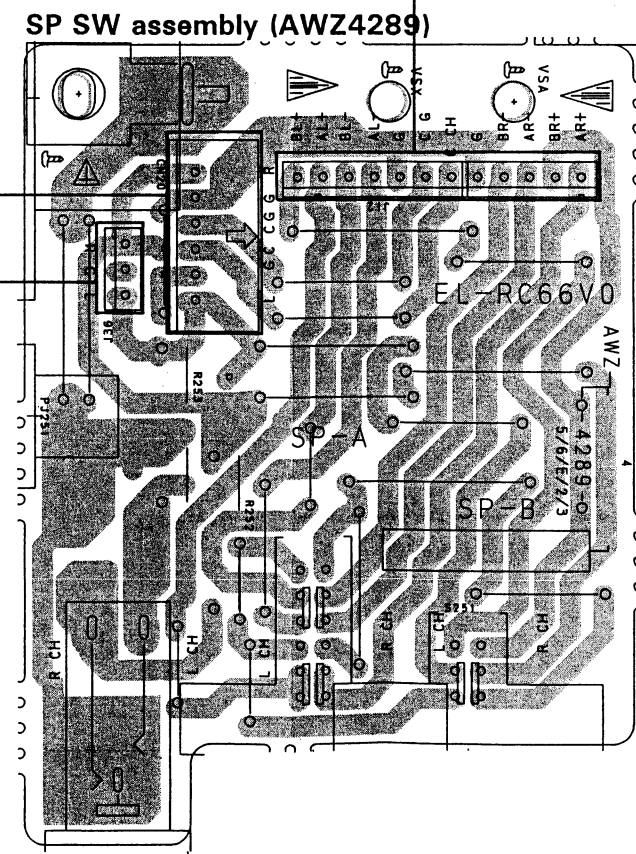
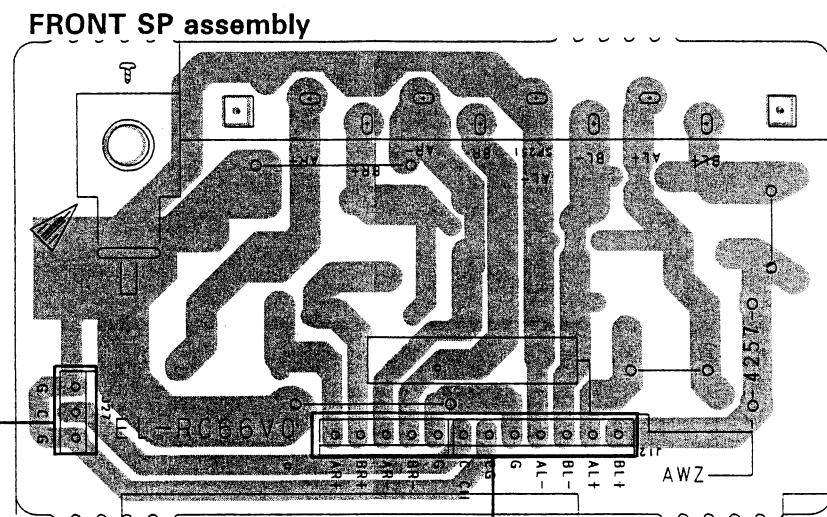
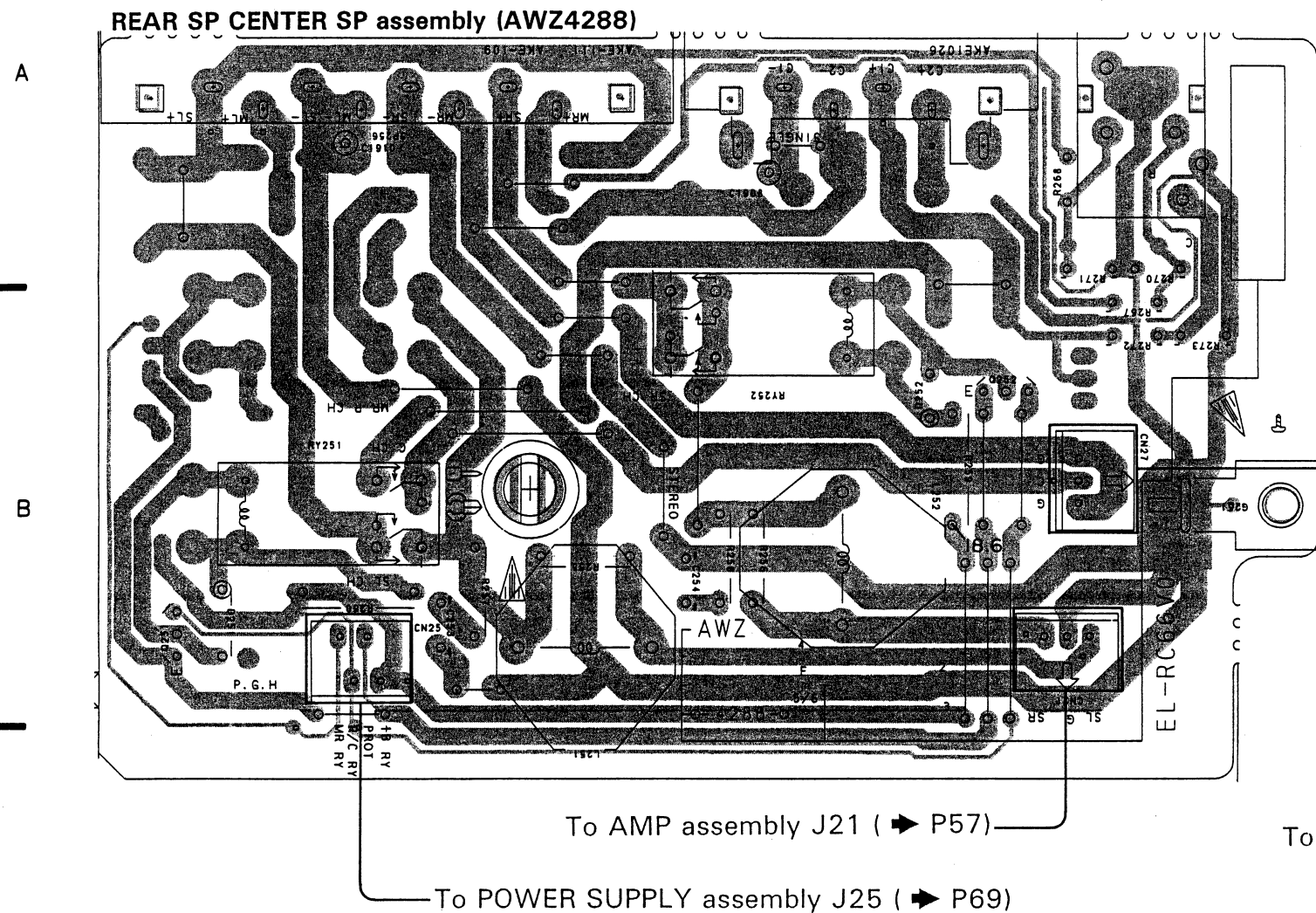
This P. C. B. connection diagram is viewed from the foil side.

IC162 Q164 Q162 Q10 Q8 IC161 Q7 Q161 Q163 Q9 Q204 Q6 Q202 Q5 Q205 Q203
Q106 Q104 Q102 Q103 Q101 Q109 Q105 Q116 Q112 Q107 Q4 Q115 Q201 Q111 Q206 Q113 Q1 Q207
Q118 Q108 Q114 Q110 Q2 Q117

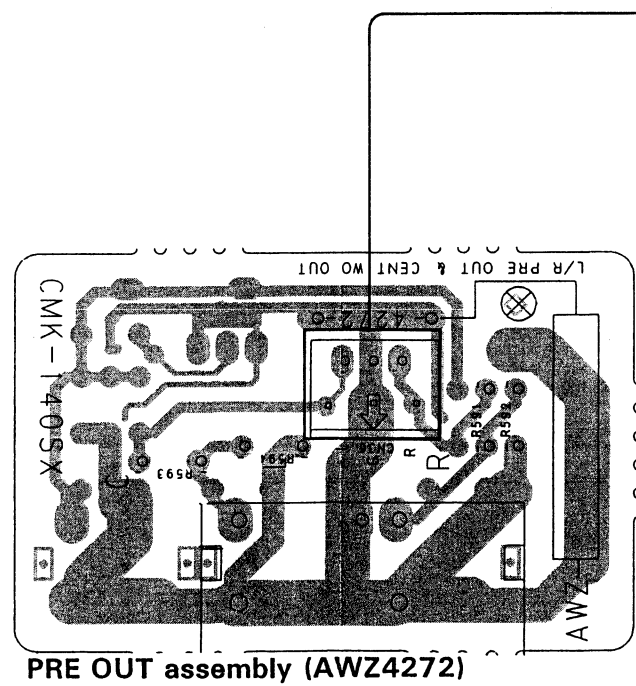


This P. C. B connection diagram is viewed from the parts mounted side.





C This P. C. B connection diagram is viewed from the parts mounted side.



NOTE

1. This P.C.B connection diagram is viewed from the parts mounted side.
2. The parts which have been mounted on the board can be replaced with those shown with the corresponding wiring symbols listed in the following Table.
3. The capacitor terminal marked with ⊕ (double circles) shows negative terminal.
4. The diode terminal marked with ⊕ (double circles) shows cathode side.
5. The transistor terminal to which E is affixed shows the emitter.

P.C.B. pattern diagram indication	Corresponding part symbol	Part Name
0504		Transistor
0215		Radiator type transistor
0203		Diode
R237		Resistor
C513		Capacitor (Polarized)
C518		Capacitor (Non-polarized)

Others

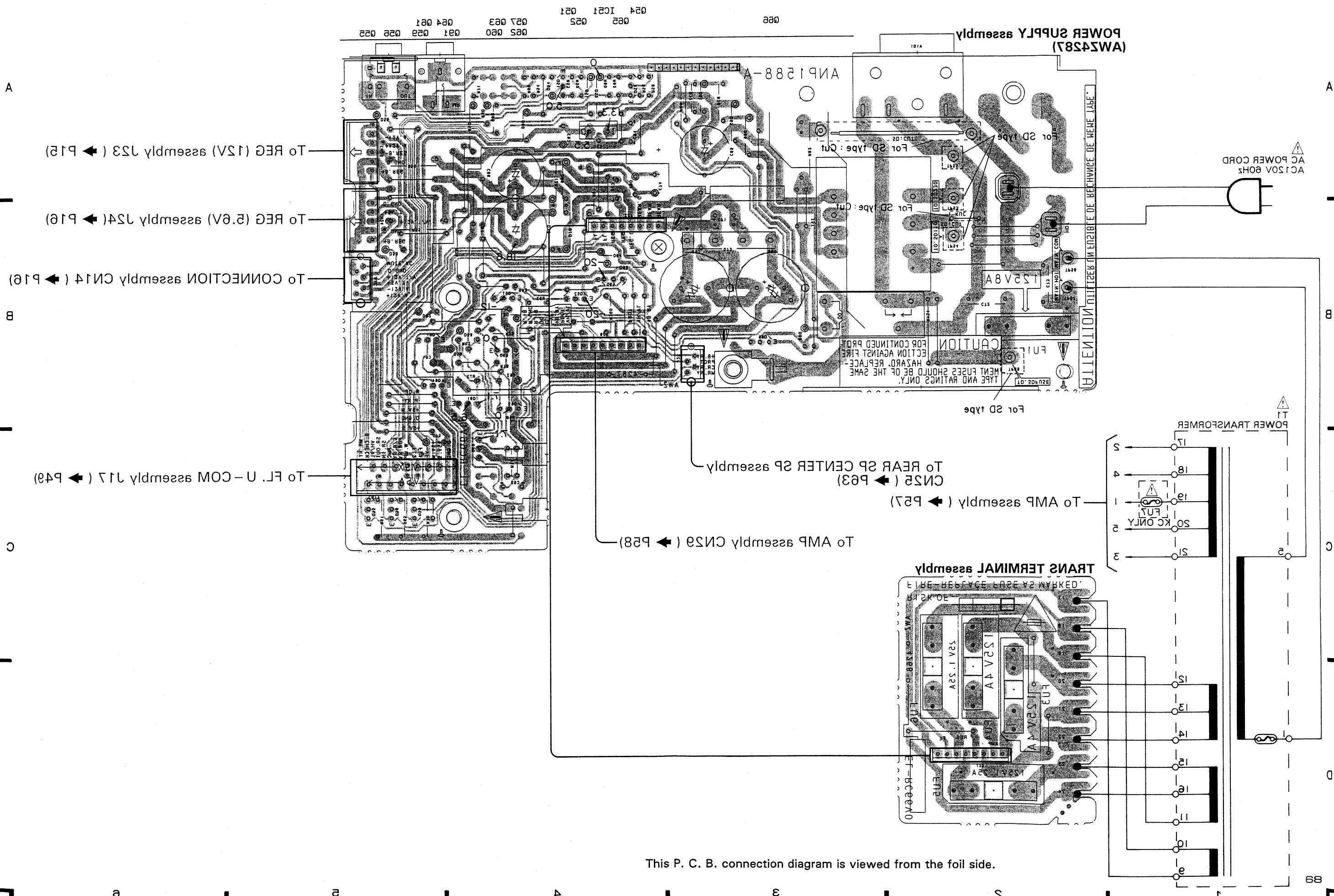
P.C.B. pattern diagram indication	Part Name
IC	IC
S	Switch
RY	Relay
L	Coil
F	Filter
VR	Variable resistor or Semi-fixed resistor

(FOR CANADIAN MODEL ONLY)
Fuse symbols (Fast Operating Fuse) and/or (Slow Operating Fuse) on P.C.B. indicate that replacement parts must be of identical designation.

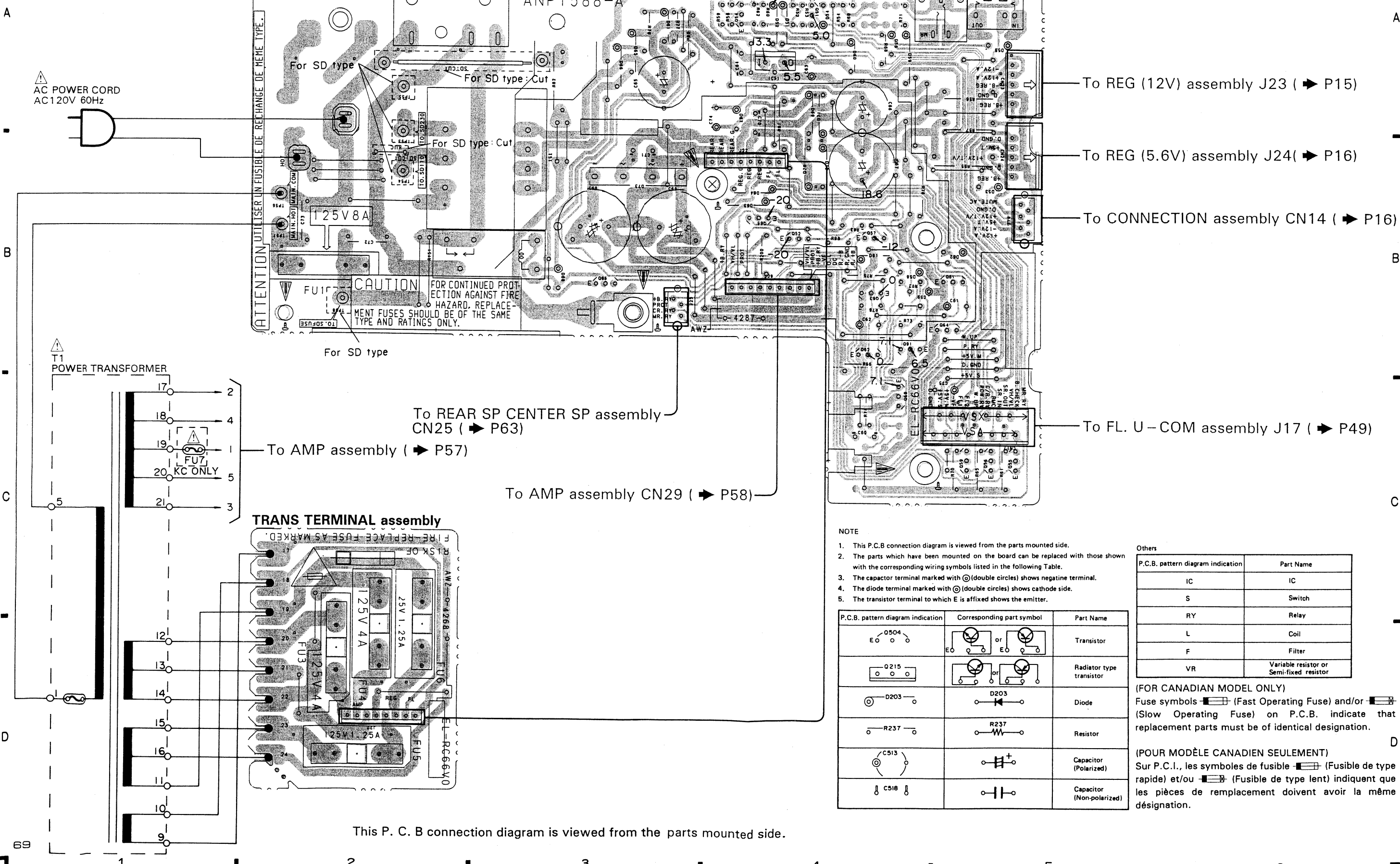
(POUR MODÈLE CANADIEN SEULEMENT)
Sur P.C.I., les symboles de fusible (Fusible de type rapide) et/ou (Fusible de type lent) indiquent que les pièces de remplacement doivent avoir la même désignation.

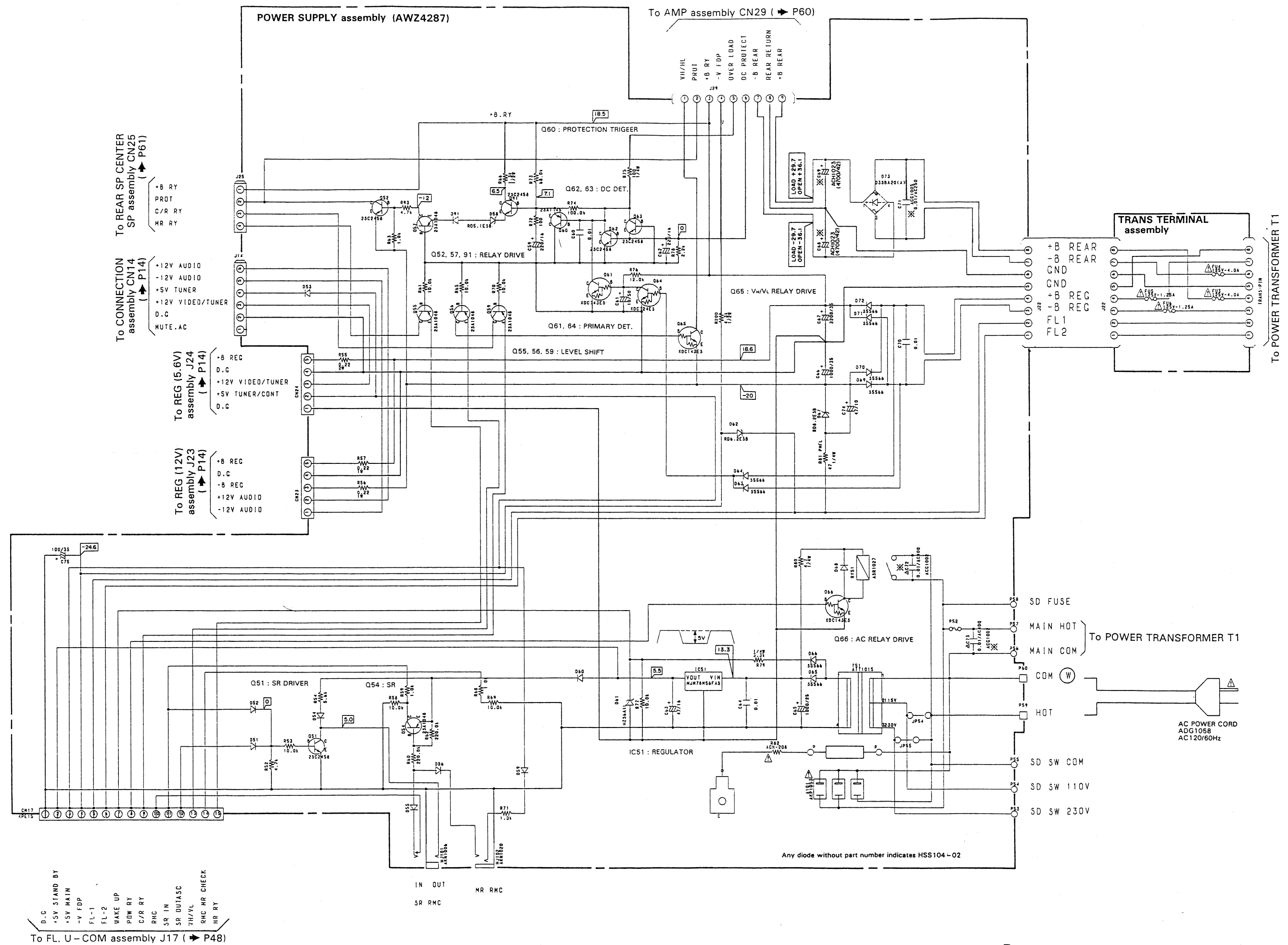


5.11 POWER SUPPLY ASSEMBLY AND TRANS TERMINAL ASSEMBLY



This P. C. B. connection diagram is viewed from the foil side.

POWER SUPPLY assembly
(AWZ4287)



6. PCB PARTS LIST

NOTES:

- Parts marked by “NSP” are generally unavailable because they are not in our Master Spare Parts List.
 - The Δ mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.
 - Parts marked by “ $\odot$ ” are not always kept in stock. Their delivery time may be longer than usual or they may be unavailable.
 - When ordering resistors, first convert resistance values into code form as shown in the following examples.
- Ex. 1** When there are 2 effective digits (any digit apart from 0), such as 560 ohm and 47k ohm (tolerance is shown by J = 5%, and K = 10%).
- | | | | | | | | | |
|--------------|------------------------------|---------------|-----------|---------|--------------|--------------|--------------|---|
| 560 Ω | $\rightarrow 56 \times 10^1$ | $\rightarrow$ | 561 | RD1/8PM | [3] | [6] | [1] | J |
| 47k Ω | $\rightarrow 47 \times 10^3$ | $\rightarrow$ | 473 | RD1/4PS | [4] | [7] | [3] | J |
| 0.5 Ω | $\rightarrow$ 0R5 | | | RN2H | [0] | [5] | | K |
| 1 Ω | $\rightarrow$ 010 | | | RS1P | [0] | [1] | [0] | K |
- Ex. 2** When there are 3 effective digits (such as in high precision metal film resistors).
- | | | | | | | | | | |
|----------------|-------------------------------|---------------|------------|---------|--------------|--------------|--------------|--------------|---|
| 5.62k Ω | $\rightarrow 562 \times 10^1$ | $\rightarrow$ | 5621 | RN1/4PC | [5] | [6] | [2] | [1] | F |
|----------------|-------------------------------|---------------|------------|---------|--------------|--------------|--------------|--------------|---|

Mark	No.	Description	Parts No.	Mark	No.	Description	Parts No.
LIST OF ASSEMBLIES					D401-403	VARI-CAP DIODE	1SV147
●		TUNER ASSEMBLY	AWE1140		D431-435	DIODE	1SS252
NSP		FRONT SP ASSEMBLY	AWZ4257	COILS & TRANSFORMER			
NSP		TRANS TERMINAL ASSEMBLY	AWZ4268		F421	CERAMIC FILTER	ATF-107
●		AMP ASSEMBLY	AWZ4286		F422	CERAMIC FILTER	ATF-119
●		POWER SUPPLY ASSEMBLY	AWZ4287		F431	CERAMIC FILTER	ATF-208
●		REAR SP CENTER SP ASSEMBLY	AWZ4288		L401	COIL	ATC1001
●		SP SW ASSEMBLY	AWZ4289		L402	COIL	ATC1002
●		AUDIO FUNCTION ASSEMBLY	AWZ4263		L403	COIL	ATC1004
●		REG (12V) ASSEMBLY	AWZ4266		L404	COIL	ATC1005
●		REG (5.6V) ASSEMBLY	AWZ4267		L405	COIL	ATC1003
●		PRE OUT ASSEMBLY	AWZ4272		L406, 407	AXIAL INDUCTOR	LAU2R2M
●		A/V FUNCTION ASSEMBLY	AWZ4290		L431	COIL	ATE-079
●		CONNECTION ASSEMBLY	AWZ4291		T402	IF TRANSFORMER	ATE-063
●		VOLUME ASSEMBLY	AWZ4292	CAPACITORS			
●		FL. U-COM ASSEMBLY	AWK1548		C400	CERAMIC CAPACITOR	CKDYF102Z50
●		DSP ASSEMBLY	AWZ4294		C401	CERAMIC CAPACITOR	CCDRH330J50
●		OSD ASSEMBLY	AWZ4295		C402	CERAMIC CAPACITOR	CCDRH390J50
TUNER ASSEMBLY					C403	CERAMIC CAPACITOR	CKPUYY103N16
SEMICONDUCTORS					C404, 405	CERAMIC CAPACITOR	CCDRH330J50
	IC431	AM/FM IC	LA1265S		C406	CERAMIC CAPACITOR	CCDCH020C50
	IC451	MPX IC	AN7470P		C409	CERAMIC CAPACITOR	CKPUYB101K50
	IC471	PLL IC	LM7001		C410-412	CERAMIC CAPACITOR	CKPUYY103N16
	Q401	MOS-FET	2SK241		C413	CERAMIC CAPACITOR	CCDCH150J50
	Q402	TRANSISTOR	2SC2786		C414	CERAMIC CAPACITOR	CCDCH330J50
	Q403	TRANSISTOR	2SC2668		C415	CERAMIC CAPACITOR	CCDCH080D50
	Q405	N-FET	2SK161		C416	CERAMIC CAPACITOR	CCDTH180J50
	Q421	TRANSISTOR	2SC2668		C417	CERAMIC CAPACITOR	CCDCH010C50
	Q451	TRANSISTOR	2SC2603		C418, 419	CERAMIC CAPACITOR	CKPUYY103N16
	Q452, 453	TRANSISTOR	2SC1740S		C420	ELECT. CAPACITOR	CEAS100M50
	Q454	TRANSISTOR	2SA933S		C421, 422	CERAMIC CAPACITOR	CKPUYY103N16
	Q471	N-FET	2SK246		C433	ELECT. CAPACITOR	CEAS4R7M50
	Q472	TRANSISTOR	2SC1740SLN		C435	CERAMIC CAPACITOR	CKCYF472Z50
	Q473, 474	TRANSISTOR	RN2201		C436	CERAMIC CAPACITOR	CKCYX683M25
					C437	ELECT. CAPACITOR	CEAS100M50

Mark	No.	Description	Parts No.
	C438	ELECT. CAPACITOR	CEAS2R2M50
	C439, 440	CERAMIC CAPACITOR	CKCYF223Z50
	C441	AXIAL CAPACITOR	CKPUYF223Z25
	C442	ELECT. CAPACITOR	CEAS0R1M50
	C443	ELECT. CAPACITOR	CEAS3R3M50
	C444	CERAMIC CAPACITOR	CKPUYB331K50
	C445	AXIAL CAPACITOR	CCPUSL470J50
	C446, 447	MYLAR FILM CAPACITOR	CQMA561K50
	C451	ELECT. CAPACITOR	CEAS101M16
	C452	ELECT. CAPACITOR	CEANP4R7M35
	C453	CERAMIC CAPACITOR	CKCYF473Z50
	C454	CAPACITOR (470p)	ACE1039
	C455	ELECT. CAPACITOR	CEAS3R3M50
	C456	ELECT. CAPACITOR	CEAS1R5M50
	C457	ELECT. CAPACITOR	CEASR22M50
	C458	ELECT. CAPACITOR	CEAS470M16
	C459, 460	MYLAR FILM CAPACITOR	CQMA102J50
	C461, 462	ELECT. CAPACITOR	CEAS4R7M50
	C463, 464	ELECT. CAPACITOR	CEAS470M16
	C465	CERAMIC CAPACITOR	CKPUYY103N16
	C466	CERAMIC CAPACITOR	CCCSL121J50
	C468, 469	MYLAR FILM CAPACITOR	CQMA182J50
	C471	CERAMIC CAPACITOR	CKPUYY103N16
	C472	AXIAL CAPACITOR	CKPUYF223Z25
	C473	CERAMIC CAPACITOR	CKPUYY103N16
	C475	ELECT. CAPACITOR	CEAS100M50
	C476	CERAMIC CAPACITOR	CKPUYY103N16
	C477	CERAMIC CAPACITOR	CKCYF103Z50
	C478	AUDIO FILM CAPACITOR	CFTXA224J50
	C479	AXIAL CAPACITOR	CCPUSL220J50
	C480	CERAMIC CAPACITOR	CKPUYY103N16
	C481, 482	CERAMIC CAPACITOR	CCDCH150J50
	C483	CERAMIC CAPACITOR	CKPUYB101K50
	C484	ELECT. CAPACITOR	CEAS470M16
	C485	CERAMIC CAPACITOR	CKPUYY103N16
RESISTORS			
	VR431	VR (10k)	ACP1025
	VR432	VR	VRTS6VS153
	VR451	VR (4.7k)	ACP1024
		Other resistors	RD1/8PM□□□□J
OTHERS			
		ANTENNA TERMINAL 4-P	AKA1014
		AM RF TUNING BLOCK	AXX1011
	X431	CERAMIC FILTER (450kHz)	ATF-125
	X471	CRYSTAL RESONATOR (7.2MHz)	ASS1005

Mark No.	Description	Parts No.
FRONT SP ASSEMBLY		
OTHERS		
	SPEAKER TERMINAL 8-P	AKE-111
TRANS TERMINAL ASSEMBLY		
TRANS TERMINAL assembly has no service parts		
AMP ASSEMBLY		
SEMICONDUCTORS		
IC161, 162	PREDRIVER-IC	UPC1270H
Q101, 102	TRANSISTOR	2SC1845
Q103, 104	DUAL TRANSISTOR	2SA1240
Q105, 106	TRANSISTOR	2SA970
Q107, 108	TRANSISTOR	2SA1145
Q109, 110	TRANSISTOR	2SC2705
Q111, 112	TRANSISTOR	2SC2603
Q113, 114	TRANSISTOR	2SC3298
Q115, 116	TRANSISTOR	2SA1306
Q117, 118	TRANSISTOR	2SC2240
Q161-164	TRANSISTOR	2SC2458
Q201	DUAL TRANSISTOR	2SA1240
Q202	TRANSISTOR	2SC2705
Q203	TRANSISTOR	2SC2603
Q204	TRANSISTOR	2SA1306
Q205	TRANSISTOR	2SC3298
Q206	TRANSISTOR	2SC2240
D101-108	DIODE	HSS104-02
D109, 110	ZENER DIODE	RD10ESB
D111-114	DIODE	HSS104-02
D115, 116	ZENER DIODE	RD10ESB
D117-122	DIODE	HSS104-02
D161-166	DIODE	HSS104-02
D197, 198	DIODE	D5SB20F
D199, 200	DIODE	HSS104-02
D201	ZENER DIODE	RD10ESB
D202, 203	ZENER DIODE	RD4.3ESB
D204-206	DIODE	HSS104-02
RELAIRES		
RY198	RELAY	ASR1035
RY199	RELAY	ASR-112
COILS		
L102-104	COIL	ATH1004
CAPACITORS		
C101, 102	ELECT. CAPACITOR	CEAS4R7M50
C103, 104	CERAMIC CAPACITOR	CKCYB122K50
C105-108	CERAMIC CAPACITOR	CCCSL101J50

Mark No.	Description	Parts No.
C109, 110	CERAMIC CAPACITOR	CCCSL220K500
C111, 112	ELECT. CAPACITOR	CEAS470M16
C113, 114	CERAMIC CAPACITOR	CCCSL050C500
C115, 116	CERAMIC CAPACITOR	CKCYB102K50
C117-120	CERAMIC CAPACITOR	CCCSL151K500
C121, 122	AUDIO FILM CAPACITOR	CFTXA473J50
C123, 124	ELECT. CAPACITOR	CEANP010M100
C125, 126	CERAMIC CAPACITOR	CKCYB222K50
C161	ELECT. CAPACITOR	CEAS2R2M50
C162	ELECT. CAPACITOR	CEHAQ2R2M50
C165, 166	CERAMIC CAPACITOR	CKCYB222K50
C167, 168	ELECT. CAPACITOR	CEHAQ101M10
C169, 170	CERAMIC CAPACITOR	CCCSL680J50
C171, 172	CERAMIC CAPACITOR	CKCYX333M25
C173, 174	ELECT. CAPACITOR	CEAS100M100
C175, 176	ELECT. CAPACITOR	CEANP2R2M50
C198	ELECT. CAPACITOR (8200/71V)	ACH1224
C199	ELECT. CAPACITOR (8200/71V)	ACH1225
C200	CKA (0.01/AC150V)	ACG1005
C201	ELECT. CAPACITOR	CEAS2R2M50
C202	CERAMIC CAPACITOR	CKCYB222K50
C203	ELECT. CAPACITOR	CEAS2R2M50
C204, 205	CERAMIC CAPACITOR	CCCSL470J50
C206	CERAMIC CAPACITOR	CKCYB102K50
C207	CERAMIC CAPACITOR	CCCSL560K500
C208	ELECT. CAPACITOR	CEAS470M16
C209	ELECT. CAPACITOR	CEAS470M25
C210	AUDIO FILM CAPACITOR	CFTXA473J50
C211	ELECT. CAPACITOR	CEANP2R2M50
C212	CERAMIC CAPACITOR	CCCSL101K500
C213	CERAMIC CAPACITOR	CKCYB102K50
C222	CERAMIC CAPACITOR	CCCSL101K500

RESISTORS

R111-114	FUSIBLE RESISTOR	RFA1/4PS391J
R115, 116	CARBON FILM RESISTOR	RD1/4PM152J
R117, 118	CARBON FILM RESISTOR	RD1/4PM473J
R121, 122	CARBON FILM RESISTOR	RD1/4PMF680J
R127, 128	FUSIBLE RESISTOR	RFA1/4PS470J
R129-136	CARBON FILM RESISTOR	RD1/4PMF101J
R137, 138	FUSIBLE RESISTOR	RFA1/4PS4R7J
R139-142	CARBON FILM RESISTOR	RD1/4PMF4R7J
R143, 144	FUSIBLE RESISTOR	RFA1/4PS4R7J
R145, 146	RESISTOR (0.33, 5W)	ACN1087
R147, 148	CARBON FILM RESISTOR	RD1/4PMF100J
R151, 152	METAL OXIDE RESISTOR	RS1LMF100J
R153-156	CARBON FILM RESISTOR	RD1/4PMF222J

Mark No.	Description	Parts No.
R177, 178	RESISTOR (0.22, 2W)	ACN-131
R179-182	CARBON FILM RESISTOR	RD1/4PMF222J
R197	METAL OXIDE RESISTOR	RS2LMF103J
R198, 199	METAL OXIDE RESISTOR	RS1PMF681J
R207	CARBON FILM RESISTOR	RD1/4PM431J
R208	CARBON FILM RESISTOR	RD1/4PM123J
R210	CARBON FILM RESISTOR	RD1/4PMF470J
R214-217	CARBON FILM RESISTOR	RD1/4PMF101J
R218	RESISTOR (0.33, 5W)	ACN1087
R220	CARBON FILM RESISTOR	RD1/4PMF100J
R221, 222	CARBON FILM RESISTOR	RD1/4PMF222J
R225	CARBON FILM RESISTOR	RD1/4PMF100J
R227-232	FUSIBLE RESISTOR	RFA1/4PS4R7J
R233, 234	CARBON FILM RESISTOR	RD1/4PMF4R7J
	Other resistors	RD1/8PM□□□J
OTHERS		
CN29	SCREW (STEEL) CONNECTOR (9P)	ABA1009 KPC9

POWER SUPPLY ASSEMBLY

SEMICONDUCTORS

IC51	REGULATOR IC	NJM78M56FAS
Q51, 52	TRANSISTOR	2SC2458
Q54-57	TRANSISTOR	2SA1048
Q59	TRANSISTOR	2SA1048
Q60	TRANSISTOR	2SA1145
Q61	TRANSISTOR	XDC143ES
Q62, 63	TRANSISTOR	2SC2458
Q64	TRANSISTOR	XDC124ES
Q65, 66	TRANSISTOR	XDC143ES
Q91	TRANSISTOR	2SC2458
D51-56	DIODE	HSS104-02
D58	ZENER DIODE	RD5.1ESB
D59, 60	DIODE	HSS104-02
D61	ZENER DIODE	HZS6A1L
D62	ZENER DIODE	RD6.2ESB
D63-66	DIODE	S5566
D67	ZENER DIODE	RD8.2ESB
D68	DIODE	HSS104-02
D69-72	DIODE	S5566
D73	DIODE	D3SBA20 (A)
D91	DIODE	HSS104-02

Mark No.	Description	Parts No.
RELAY		
RY51	RELAY	ASR1027
TRANSFORMER		
△ T51	POWER TRANSFORMER	ATT1015
CAPACITORS		
C59	ELECT. CAPACITOR	CEAS221M16
C60	CERAMIC CAPACITOR	CKCYB103K50
C61	ELECT. CAPACITOR	CEAS100M50
C62	ELECT. CAPACITOR	CEAS221M16
C63	ELECT. CAPACITOR	CEAS470M16
C64	CERAMIC CAPACITOR	CKCYB103K50
C65	ELECT. CAPACITOR	CEAS102M25
C66	ELECT. CAPACITOR	CEAS102M35
C67	ELECT. CAPACITOR	CEAS222M35
C68, 69	CEA (4700/42V)	ACH1203
C70	CERAMIC CAPACITOR	CKCYB103K50
C71	CKA (0.01/AC150V)	ACG1005
△ C72, 73	CKA (0.01/AC125V)	ACG1002
C74	ELECT. CAPACITOR	CEAS470M10
C75	ELECT. CAPACITOR	CEAS101M35
RESISTORS		
R200	CARBON FILM RESISTOR	RD1/2PM432J
R55	METAL OXIDE RESISTOR	RS2LMFR22J
R56, 57	METAL OXIDE RESISTOR	RS1LMFR22J
R66	CARBON FILM RESISTOR	RD1/2PM132J
R75	CARBON FILM RESISTOR	RD1/4PMF101J
R79	CARBON FILM RESISTOR	RD1/4PM332J
R80	CARBON FILM RESISTOR	RD1/4PMF4R7J
R81	CARBON FILM RESISTOR	RD1/4PMFL470J
△ R82	RESISTOR (2.2M, 1/2W)	ACN-208
	Other resistors	RD1/8PM□□□J
OTHERS		
CN17	CONNECTOR (15P) JACK 2P (CONTROL) JACK (REMOTE) AC OUTLET (3P)	KPE15 AKN1006 AKN1020 AKP1053

REAR SP CENTER SP ASSEMBLY
SEMICONDUCTORS

Q251, 252	TRANSISTOR	XDC143ES
D251, 252	DIODE	HSS104-02

Mark No.	Description	Parts No.
RELAYS		
RY251, 252	RELAY	ASR1035
COILS		
L251, 252	COIL	ATH1004
CAPACITORS		
C253, 254	AUDIO FILM CAPACITOR	CFTXA473J50
RESISTORS		
R255-258	CARBON FILM RESISTOR	RD1/4PMF100J
R259, 260	METAL OXIDE RESISTOR	RS1LMF681J
	Other resistors	RD1/8PM□□□J
OTHERS		
	SPEAKER TERMINAL 4-P	AKE-109
CN	SPEAKER TERMINAL 2-P	AKE1032
CN25	CONNECTOR (4P) PIN JACK 3P (CENTER AMP)	KPE4 AKB1120

SP SW ASSEMBLY
SWITCHES

S	PUSH SWITCH	SUJ6LYXS
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RESISTORS

R252, 253	METAL OXIDE RESISTOR	RS2LMF331J
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OTHERS

CN20	JUMPER CONNECTOR JACK (H. PHONE)	KPC6 AKN1002
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AUDIO FUNCTION ASSEMBLY
SEMICONDUCTORS

IC801	OP-AMP-IC	M5220P
IC802	E-SW IC	TC9164N
IC803	OP-AMP IC	NJM4558DXP

CAPACITORS

C801, 802	ELECT. CAPACITOR	CEAS100M50
C805, 806	CHIP CERAMIC C.	CCSQCH221J50
C807, 808	CHIP CAPACITOR	CCSLSL101J50
C809, 810	ELECT. CAPACITOR	CEAS470M16
C811, 812	MYLAR FILM CAPACITOR	CQMA822J50

C813, 814	MYLAR FILM CAPACITOR	CQMA242J50
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Mark No.	Description	Parts No.
C815, 816	ELECT. CAPACITOR	CEAS2R2M50
C817, 818	CHIP CAPACITOR	CKSQYF103Z50
C819, 820	ELECT. CAPACITOR	CEAS101M16
C841, 842	ELECT. CAPACITOR	CEAS2R2M50
C843, 844	CHIP CAPACITOR	CKSQYF103Z50
C845, 846	ELECT. CAPACITOR	CEAS4R7M50
C847	CHIP CERAMIC C.	CCSQCH471J50

RESISTORS

All resistors RS1/10S□□□J

OTHERS

CN11	CONNECTOR (7P)	KPE7
CN	PIN JACK 4P (TAPE1, 2)	AKB1181
CN	PIN JACK 4P (CD, PHONO)	AKB1201

REG (12V) ASSEMBLY

SEMICONDUCTORS

IC54	REGULATOR IC	NJM78M12FAS
IC55	REGULATOR IC	NJM79M12FA

CAPACITORS

C52, 53	ELECT. CAPACITOR	CEAS101M35
C56, 57	CERAMIC CAPACITOR	CKCYF103Z50

REG (5.6V) ASSEMBLY

SEMICONDUCTORS

IC52	REGULATOR IC	M5237L
IC53	REGULATOR IC	NJM78M56FAS

Q51	TRANSISTOR	2SA1306
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CAPACITORS

C51	ELECT. CAPACITOR	CEAS470M16
C54	CERAMIC CAPACITOR	CKCYF103Z50
C55	ELECT. CAPACITOR	CEAS101M35
C58	CERAMIC CAPACITOR	CKCYX104M25
C76	ELECT. CAPACITOR	CEAS010M50

RESISTORS

R51	METAL OXIDE RESISTOR	RS1LMF100J
R83	CARBON FILM RESISTOR	RD1/4PMF221J
R84	CARBON FILM RESISTOR	RD1/4PM363J
R85	CARBON FILM RESISTOR	RD1/8PM432J

PRE OUT ASSEMBLY

RESISTORS

R591-594	CARBON FILM RESISTOR	RD1/8PM□□□J
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Mark No.	Description	Parts No.
OTHERS		
CN	PIN JACK 2P (FRONT AMP)	AKB1171

A/V FUNCTION ASSEMBLY

SEMICONDUCTORS

IC851	E-SW IC	TC9163N
IC881	VIDEO SWITCH	LA7951
IC882	E-SW IC	NJM2233BS

Q881, 882	TRANSISTOR	2SC2458
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D851, 852	DIODE (SMD)	1SS352
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CAPACITORS

C871, 872	CERAMIC CAPACITOR	CKSQYB103K50
C873	CHIP CERAMIC C.	CCSQCH471J50
C881-885	ELECT. CAPACITOR	CEAS470M16
C886	ELECT. CAPACITOR	CEAS101M16
C887	CERAMIC CAPACITOR	CKSQYB103K50

C889, 890	ELECT. CAPACITOR	CEAS471M6
C891	ELECT. CAPACITOR	CEAS101M16
C892, 893	ELECT. CAPACITOR	CEAS470M16
C896, 897	ELECT. CAPACITOR	CEAS101M16
C898-900	CERAMIC CAPACITOR	CKSQYB103K50

RESISTORS

R890, 894	CARBON FILM RESISTOR	RD1/2PM151J
R912	CARBON FILM RESISTOR	RD1/8PM100J

Other resistors RS1/10S□□□J

OTHERS

PIN JACK 3P
(VCR1, 2, LD, TV) AKB1102

CONNECTION ASSEMBLY

SEMICONDUCTOR

IC304	OP AMP	M5238PF
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CAPACITORS

C315	ELECT. CAPACITOR	CEAS470M16
C316	ELECT. CAPACITOR	CEAS470M10
C318	CERAMIC CAPACITOR	CKSQYF473Z50
C321, 322	ELECT. CAPACITOR	CEAS4R7M50
C323, 324	ELECT. CAPACITOR	CEAS101M25
C325, 326	CHIP CAPACITOR	CCSQCH331J50

RESISTORS

R340, 341	CARBON FILM RESISTOR	RD1/8PM100J
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Other resistors RS1/10S□□□J

Mark No.	Description	Parts No.
OTHERS		
CN14	CONNECTOR (6P)	KPE6
CN15	CONNECTOR (15P)	KPE15

VOLUME ASSEMBLY
SEMICONDUCTORS

IC501, 502	OP-AMP IC	NJM4558DXP
IC503	MECHANISM DRIVER IC	TA8409S
IC521	OP-AMP IC	NJM4558DXP
IC522	E-VR IC	TC9154AP
IC523	OP-AMP IC	NJM4558DXP
IC524	OP-AMP IC	NJM4558LD
IC525	E-VR IC	TC9154AP
IC561	OP-AMP IC	M5220L
IC562	E-VR IC	TC9154AP
IC563	E-TONE CONTROL IC	TC9184P
IC564	OP-AMP IC	M5220L
Q501	TRANSISTOR	XDC124ES
D501, 502	ZENER DIODE	RD5.1ESB2
D503, 504	DIODE	HSS104-02
D505	ZENER DIODE	RD5.1ESB2
D506	ZENER DIODE	RD3.3ESB2
D521-526	DIODE	HSS104-02
D561-566	DIODE	HSS104-02

CAPACITORS

C501, 502	ELECT. CAPACITOR	CEAS470M10
C503, 504	ELECT. CAPACITOR	CEAS4R7M50
C505, 506	CERAMIC CAPACITOR	CKSQYB103K50
C507, 508	CHIP CAPACITOR	CCSQCH331J50
C509, 510	ELECT. CAPACITOR	CEAS4R7M50
C511	ELECT. CAPACITOR	CEANP101M10
C512	ELECT. CAPACITOR	CEAS101M16
C513	ELECT. CAPACITOR	CEAS6R8M50
C514	CHIP CAPACITOR	CCSQCH101J50
C515	ELECT. CAPACITOR	CEASR47M50
C516	ELECT. CAPACITOR	CEAS4R7M50
C521, 522	ELECT. CAPACITOR	CEAS4R7M50
C523, 524	CERAMIC CAPACITOR	CKSQYB103K50
C525, 526	CHIP CAPACITOR	CCSQCH470J50
C527, 528	ELECT. CAPACITOR	CEAS4R7M50
C531, 532	ELECT. CAPACITOR	CEAS4R7M50
C533, 534	CERAMIC CAPACITOR	CKSQYB103K50
C535, 536	CHIP CAPACITOR	CCSQCH470J50
C539	CERAMIC CAPACITOR	CKSQYB471K50
C540	ELECT. CAPACITOR	CEAS4R7M50
C541	CERAMIC CAPACITOR	CKSQYB103K50
C542	CHIP CAPACITOR	CCSQCH470J50
C543	ELECT. CAPACITOR	CEAS4R7M50
C544, 545	CERAMIC CAPACITOR	CKSQYB103K50
C546	CERAMIC CAPACITOR	CKSQYB471K50

C547	ELECT. CAPACITOR	CEAS4R7M50
C548	CERAMIC CAPACITOR	CKSQYB103K50
C549	CHIP CAPACITOR	CCSQCH470J50
C550-552	ELECT. CAPACITOR	CEAS4R7M50
C559, 560	CHIP CAPACITOR	CCSQCH331J50
C561, 562	ELECT. CAPACITOR	CEAS2R2M50
C563, 564	CHIP CAPACITOR	CKSQYF103Z50
C565, 566	ELECT. CAPACITOR	CEAS010M50
C567, 568	CHIP CAPACITOR	CCSQCH121J50
C569, 570	ELECT. CAPACITOR	CEAS100M50
C571, 572	MYLAR FILM CAPACITOR	CQMA153J50
C573, 574	MYLAR FILM CAPACITOR	CQMA823J50
C575, 576	MYLAR FILM CAPACITOR	CQMA272J50
C577, 578	MYLAR FILM CAPACITOR	CQMA153J50
C579, 580	ELECT. CAPACITOR	CEAS4R7M50
C581, 582	CHIP CAPACITOR	CKSQYF103Z50
C585	CHIP CAPACITOR	CKSQYB102K50
C586, 587	CHIP CAPACITOR	CKSQYF103Z50

RESISTORS

VR501	VR (100k)	ACX1075
R501, 502	CARBON FILM RESISTOR	RD1/4PM681J
R507	CARBON FILM RESISTOR	RD1/8PM821J
R517	CARBON FILM RESISTOR	RD1/2PM470J
	Other resistors	RS1/10S□□□J

OTHERS

CN16	CONNECTOR (11P)	KPE11
CN18	CONNECTOR (9P)	KPE9

FL. U-COM ASSEMBLY
SEMICONDUCTORS

IC601	CONTROL MCU	PDG084A
Q601-604	TRANSISTOR	2SC2458
Q606	TRANSISTOR	XDC124ES
D601-603	DIODE	HSS104-02
D604	LED (RED)	AEL1108
D607-625	DIODE	HSS104-02
D628	DIODE	HSS104-02

SWITCHES

S601	SWITCH	ASG1034
S603-609	SWITCH	ASG1034
S611-660	SWITCH	ASG1034

COIL

L601	AXIAL INDUCTOR	LAU220K
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Mark No.	Description	Parts No.	Mark No.	Description	Parts No.
CAPACITORS			C1219, 1220	ELECT. CAPACITOR	CEAS100M50
C601	CAPACITOR (47/5.5V)	ACH1135	C1221, 1222	CHIP CAPACITOR	CCSQCH330J50
C602	ELECT. CAPACITOR	CEAS100M50	C1223, 1224	CERAMIC CAPACITOR	CKSQYB272K50
C603	CERAMIC CAPACITOR	CKCYX473M25	C1225, 1226	CHIP CAPACITOR	CCSQCH391J50
C604	AXIAL CAPACITOR	CKPUYF473Z16	C1227, 1228	CHIP CAPACITOR	CKSQYB682K50
C605	ELECT. CAPACITOR	CEAS101M10	C1229, 1230	ELECT. CAPACITOR	CEAS100M50
C606	ELECT. CAPACITOR	CEAS010M50	C1231	ELECT. CAPACITOR	CEJA100M35
C607	AXIAL CAPACITOR	CKPUYF223Z25	C1232	ELECT. CAPACITOR	CEAS100M50
C608	ELECT. CAPACITOR	CEAS470M50	C1233, 1234	CHIP CAPACITOR	CCSQCH101J50
RESISTORS			C1235	ELECT. CAPACITOR	CEJA220M25
	All resistors	RD1/8PM□□□J	C1236	ELECT. CAPACITOR	CEAS220M25
OTHERS			C1237, 1238	CHIP CAPACITOR	CCSQCH101J50
	FL SPACER	AEB1120	C1239, 1240	ELECT. CAPACITOR	CEAS220M25
	PIN JACK 1P	AKB1082	C1251	ELECT. CAPACITOR	CEJA100M35
	(VIDEO INPUT)		C1252	CHIP CAPACITOR	CCSQCH101J50
	REMOTE RECEIVER	AXX1023	C1253	ELECT. CAPACITOR	CEJA220M25
	UNIT		C1254	AUDIO FILM	CFTXA274J50
V601	FL TUBE	AAV1145		CAPACITOR	
X602	CRYSTAL RESONATOR	ASS1015	C1255	ELECT. CAPACITOR	CEANP2R2M50
	(8MHz)		C1256	CHIP CAPACITOR	CCSQCH101J50
DSP ASSEMBLY			C1257	ELECT. CAPACITOR	CEAS220M25
SEMICONDUCTORS			C1271, 1272	ELECT. CAPACITOR	CEAS100M50
IC1201	OP-AMP IC	NJM4558DXP	C1273	ELECT. CAPACITOR	CEAS101M10
IC1202	OP AMP	M5238PF	C1274	CERAMIC CAPACITOR	CKSQYF104Z50
IC1203	OP-AMP IC	NJM4558DXP	C1301	ELECT. CAPACITOR	CEAS470M10
IC1204	OP AMP	M5238PF	C1302	CHIP CAPACITOR	CKSQYB102K50
IC1205	OP-AMP IC	NJM4558DXP	C1303	CERAMIC CAPACITOR	CKSQYF473Z50
IC1206	OP AMP	M5238PF	C1305, 1306	CHIP CERAMIC C.	CCSQCH300J50
IC1207, 1208	OP-AMP IC	NJM4558DXP	C1307	ELECT. CAPACITOR	CEAS4R7M50
IC1209	OP AMP	M5238PF	C1308	CERAMIC CAPACITOR	CKSQYF104Z50
IC1210	E-SW IC	TC9162N	C1309	ELECT. CAPACITOR	CEAS470M10
IC1301	DSP IC	YSS215-F	C1310	CERAMIC CAPACITOR	CKSQYF473Z50
IC1302	PSRAM	LH5P832N-10T	C1311	CHIP CAPACITOR	CKSQYB102K50
IC1303	REGULATOR IC	NJM78M05FAS	C1312	ELECT. CAPACITOR	CEAS221M10
D1271-1275	DIODE	HSS104-02	C1313	CERAMIC CAPACITOR	CKSQYF473Z50
D1301-1305	DIODE	HSS104-02	C1314	CHIP CAPACITOR	CKSQYB102K50
COILS			C1315, 1316	PL.STYRENE	CQSA332J50
F1201, 1202	FILTER	ATF1071		CAPACITOR	
F1301, 1302	FILTER	ATF1102	C1317, 1318	ELECT. CAPACITOR	CEAS101M16
L1301-1305	FERRITE BEAD	ATX1008	C1319	ELECT. CAPACITOR	CEAS470M16
CAPACITORS			C1320	CERAMIC CAPACITOR	CKSQYF473Z50
C1201, 1202	ELECT. CAPACITOR	CEAS100M50	C1321	ELECT. CAPACITOR	CEAS470M16
C1203, 1204	CHIP CAPACITOR	CCSQCH101J50	C1322	CERAMIC CAPACITOR	CKSQYF473Z50
C1205, 1206	ELECT. CAPACITOR	CEAS100M50	C1323	CHIP CAPACITOR	CKSQYB102K50
C1211, 1212	CHIP CAPACITOR	CCSQCH330J50	C1324, 1325	CHIP CAPACITOR	CKSQYF103Z50
C1213, 1214	CERAMIC CAPACITOR	CKSQYB272K50	C1326-1330	CERAMIC CAPACITOR	CKSQYF473Z50
C1215, 1216	CHIP CAPACITOR	CCSQCH391J50	C1332-1337	CERAMIC CAPACITOR	CKSQYF473Z50
C1217, 1218	CHIP CAPACITOR	CKSQYB682K50	C1338	CERAMIC CAPACITOR	CKDYB561K50
RESISTORS			RESISTORS		
R1307	CARBON FILM	RD1/2PMF100J	R1307	CARBON FILM	RD1/2PMF100J
R1308-1310	RESISTOR			RESISTOR	
	CARBON FILM	RD1/8PM102J	R1308-1310	CARBON FILM	RD1/8PM102J
	RESISTOR			RESISTOR	
	Other resistors	RS1/10S□□□J			

Mark No.	Description	Parts No.
OTHERS		
X1301	CERAMIC RESONATOR (11.2MHz)	ASS1031
OSD ASSEMBLY		
SEMICONDUCTORS		
IC1102	REGULATOR IC	UPC78L05
IC1104	TV IC	UPC1377C
IC1105	OSD IC	M50554-003SP
Q1101	TRANSISTOR	2SC2458
Q1102	TRANSISTOR	XDA124ES
Q1103	TRANSISTOR	XDC124ES
Q1104	TRANSISTOR	XDA124ES
Q1105, 1106	TRANSISTOR	2SC2458
Q1108	TRANSISTOR	2SC2712
Q1109	TRANSISTOR	2SA1162
D1101	DIODE (SMD)	1SS352
D1102	DIODE	HSS104-02
D1103	ZENER DIODE	RD5.1ESB
D1104	DIODE (SMD)	1SS352
COILS		
L1101	AXIAL INDUCTOR	LAU390K
L1102	AXIAL INDUCTOR	LAU150K
L1103, 1104	AXIAL INDUCTOR	LAU270K
L1105	AXIAL INDUCTOR	LAU680K
CAPACITORS		
TC1101	CERAMIC TRIMMER	ACM-020
C1103	ELECT. CAPACITOR	CEAS101M10
C1104	ELECT. CAPACITOR	CEAS101M16
C1106	CERAMIC CAPACITOR	CKSQYB103K50
C1108	ELECT. CAPACITOR	CEAS101M10
C1109	CHIP CAPACITOR	CCSQCH101J50
C1110	ELECT. CAPACITOR	CEAS100M50
C1111	CERAMIC CAPACITOR	CCSQCH560J50
C1112	ELECT. CAPACITOR	CEAS2R2M50
C1113	ELECT. CAPACITOR	CEAS101M16
C1114, 1115	ELECT. CAPACITOR	CEAS010M50
C1116	CERAMIC CAPACITOR	CCSQCH561J50
C1117	CERAMIC CAPACITOR	CKSQYB152K50
C1118	AUDIO FILM CAPACITOR	CFTXA823J50
C1119	AUDIO FILM CAPACITOR	CFTXA333J50
C1120	CERAMIC CAPACITOR	CKSQYB472K50
C1121	ELECT. CAPACITOR	CEAS010M50
C1122	AUDIO FILM CAPACITOR	CFTXA333J50
C1123	AUDIO FILM CAPACITOR	CFTXA105J50
C1124	PL.STYRENE CAPACITOR	CQSA562J50
C1125	ELECT. CAPACITOR	CEAS2R2M50

Mark No.	Description	Parts No.
C1126	AUDIO FILM CAPACITOR	CFTXA333J50
C1127	CERAMIC CAPACITOR	CKSQYF473Z50
C1128	ELECT. CAPACITOR	CEAS101M16
C1129	AUDIO FILM CAPACITOR	CFTXA104J50
C1130	CHIP CERAMIC C.	CCSQCH220J50
C1131	ELECT. CAPACITOR	CEAS330M16
C1132	CHIP CAPACITOR	CKSQYF103Z50
C1133	CHIP CERAMIC C.	CCSQCH150J50
C1134	CHIP CAPACITOR	CCSQCH330J50
C1135	CHIP CERAMIC C.	CCSQCH150J50
C1136	CHIP CERAMIC C.	CCSQCH220J50
C1137	CHIP CAPACITOR	CKSQYF103Z50
C1138	CHIP CERAMIC C.	CCSQCH220J50
C1139	CHIP CAPACITOR	CKSQYF103Z50
C1144	ELECT. CAPACITOR	CEAS101M16
C1145	CERAMIC CAPACITOR	CKSQYB103K50
C1147	ELECT. CAPACITOR	CEAS102M6
C1151	ELECT. CAPACITOR	CEAS100M50
C1152	CHIP CAPACITOR	CCSQCH050C50
C1154	CHIP CAPACITOR	CCSQCH101J50
C1155	CHIP CAPACITOR	CKSQYB102K50
C1156	CHIP CAPACITOR	CCSQCH101J50
C1157, 1158	ELECT. CAPACITOR	CEAS101M16
RESISTORS		
VR1101	VR	VRTS6HS103
VR1102	VR	VRTS6HS472
R1101	CARBON FILM RESISTOR	RD1/4PM101J
R1102	CARBON FILM RESISTOR	RD1/4PM4R7J
R1118	METALFILM RESISTOR	RN1/4PC1202F
R1127	CARBON FILM RESISTOR	RD1/4PMF100J
R1141	CARBON FILM RESISTOR	RD1/2PM221J
R1150	CARBON FILM RESISTOR	RD1/8PM103J
R1151	CARBON FILM RESISTOR	RD1/8PM104J
	Other resistors	RS1/10S□□□J

OTHERS

CN31	CONNECTOR (9P)	KPE9
CN35	CONNECTOR (6P)	KPE6
	PIN JACK 1P (VIDEO OUTPUT)	AKB1145
X1101	CRYSTAL RESONATOR (14.31818MHz)	ASS1056

7. ADJUSTMENTS

7.1 TUNER SECTION

1. Wiring Connect the wires as shown in Fig. 7-1 (FM ANT. terminal : 75Ω).
2. Preset Set the VR451 to center position.
3. When the SD model is used, set the band select switch to AM : 10kHz/FM : 100kHz.

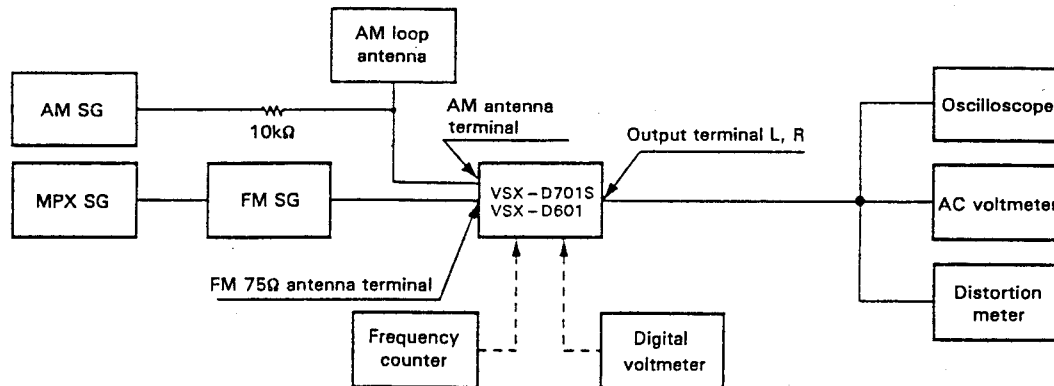


Fig. 7-1 AM and FM adjustment wiring diagram

Note : Stereo modulation Main 1kHz L+R $\pm 68.25\text{kHz}$
Pilot 19kHz $\pm 6.75\text{kHz}$

FM Section

Order	Item	SSG			Receiving frequency	Adjustment	
		Frequency	Modulation	Level		Adjustment location	Remarks
1	Checking front end VT	No signal			108MHz	—	Check that the voltage between terminal 41 and GND is $8.7 \pm 2.0\text{V}$.
2	Checking front end VT				87.5MHz	—	Check that the voltage between terminal 41 and GND is $3.4 \pm 1.5\text{V}$.
3	Increasing front end sensitivity	98MHz		Weak input	98MHz	L402, L404, T402	Set the the voltage between terminal 43 and GND to maximum, and check that the practical sensitivity is as specified.
4	Center adjustment	98MHz		60dB μV	98MHz	L431	Adjust the voltage between terminals 45 and 46 to $0 \pm 50\text{mV}$.
5	Checking monophonic distortion	98MHz	1kHz $\pm 75\text{kHz}$ dev.	60dB μV	98MHz	—	Check that the monophonic distortion is as specified.
6	Adjusting VCO		OFF	60dB μV		VR451	Adjust the output of terminal 44 to $76.0\text{kHz} \pm 1.0\text{kHz}$.
7	Adjusting stereo distortion	98MHz	L-ONLY R-ONLY	60dB μV	98MHz	T402	Minimize the distortion within 1/4 rotation of the core, and check conformity to the specification.
8	Checking separation	98MHz	L-ONLY R-ONLY	60dB μV	98MHz	—	Check that the separation of L $\rightarrow$ R and R $\rightarrow$ L is as specified. *1
9	Checking lighting levels of TUNED and STEREO IND.	98MHz	STEREO	10dB μV ($+10\text{dB}$ -20dB)	98MHz	VR432	Adjust TUNED and STEREO IND. to start lighting.

*1 : More than 30dB.

AM Section

Order	Item	SSG			Receiving frequency	Adjustment	
		Frequency	Modulation	Level		Adjustment location	Remarks
1	Checking front end VT	No signal			1700kHz	—	Check that the voltage between terminal 41 and GND is $7.5 \pm 1.0V$.
2	Checking front end VT				530kHz	—	Check that the voltage between terminal 41 and GND is $1.5 \pm 0.5V$.
3	Checking front end sensitivity	1000kHz	400kHz 30% MOD.	Practical sensitivity level	1000kHz	—	Check that the practical sensitivity (maximum sensitivity) is as specified. *2
4	Adjusting lighting level of TUNED IND.	1000kHz			1000kHz	VR431	Adjust the lighting level of TUNED IND. to $55dB\mu V/m \pm 3dB$.

*2 : $65dB\mu V/m$ or less.

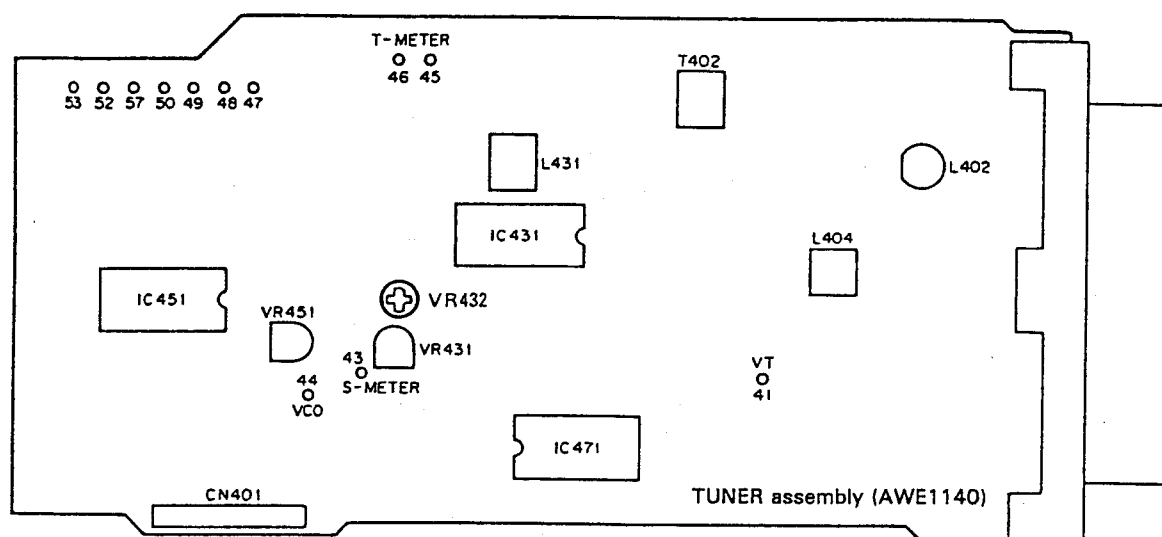


Fig. 7-2 Adjustment points

7.2 OSD ASSEMBLY SECTION

7.2.1 Adjusting H. SYNC and V. SYNC for Superimposed Display.

1. Adjust the VR1102 so that the application of power without any signal causes the OSD assembly's JP (H) to show a frequency of $15.75\text{kHz} \pm 50\text{Hz}$.
2. Adjust the VR1101 so that the application of power without any signal causes the OSD assembly's JP (V) to show a frequency of $53\text{Hz} \pm 1\text{Hz}$.

7.2.2 Adjusting the Superimposed Display in the Center

- Connect the VIDEO OUT (TO MONITOR TV) terminal to a monitor TV.
1. Turn the SIMULATED STEREO switch ON.
 2. Then, turn the SIMULATED STEREO switch OFF.
 3. Then adjust the TC1101 to center the superimposed display "SIMULATED STEREO OFF", leaving equal margin on both right and left of the TV screen.

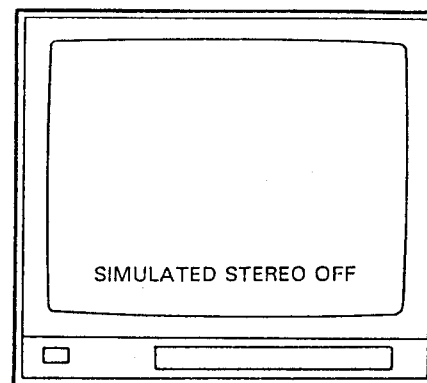
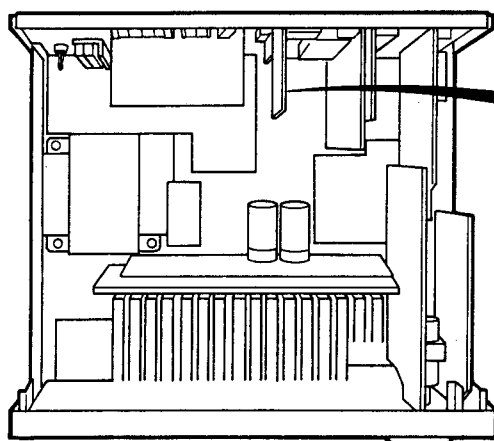


Fig. 7-3



OSD assembly

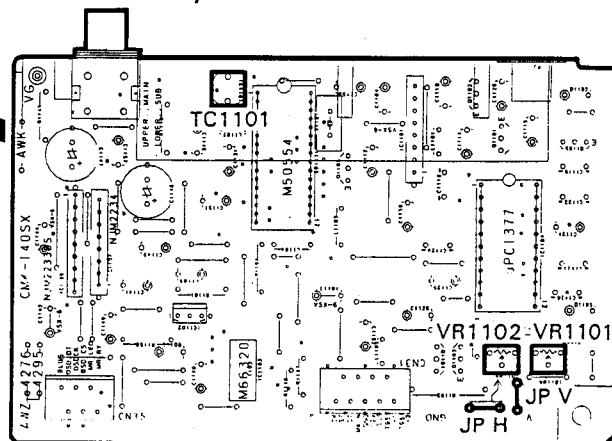


Fig. 7-4 Adjustment points

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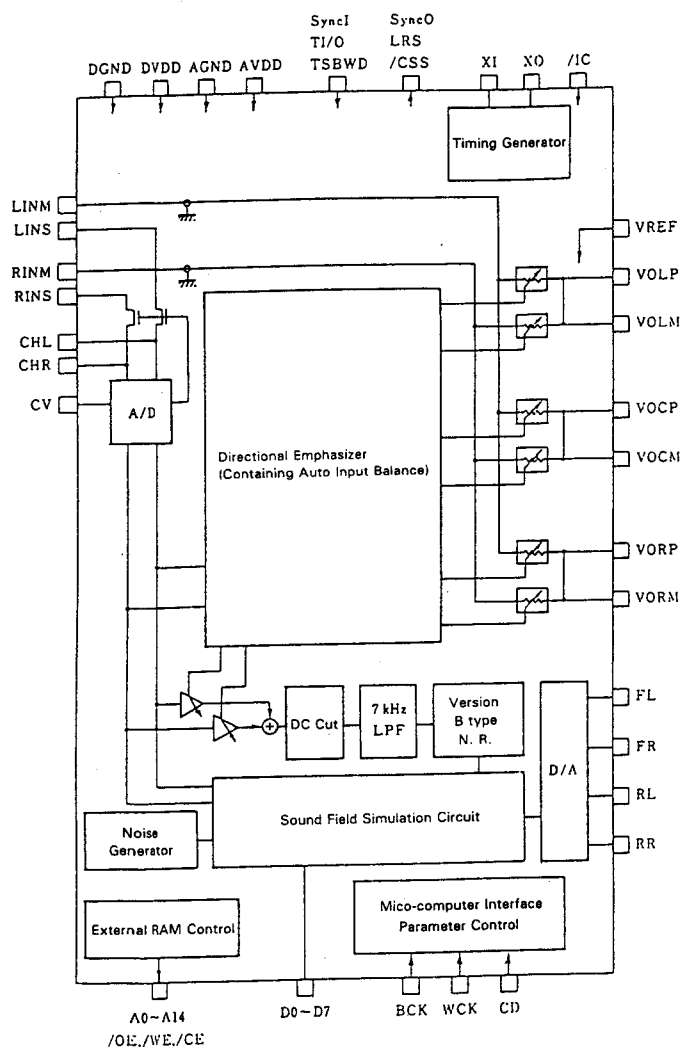
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8. IC INFORMATION

- The information shown in the list is basic information and may not correspond exactly to that shown in the schematic diagrams.

8.1 YSS215 – F (IC1301)

- Dolby Pro-logic Decoder
- Block Diagram



• Pin Function

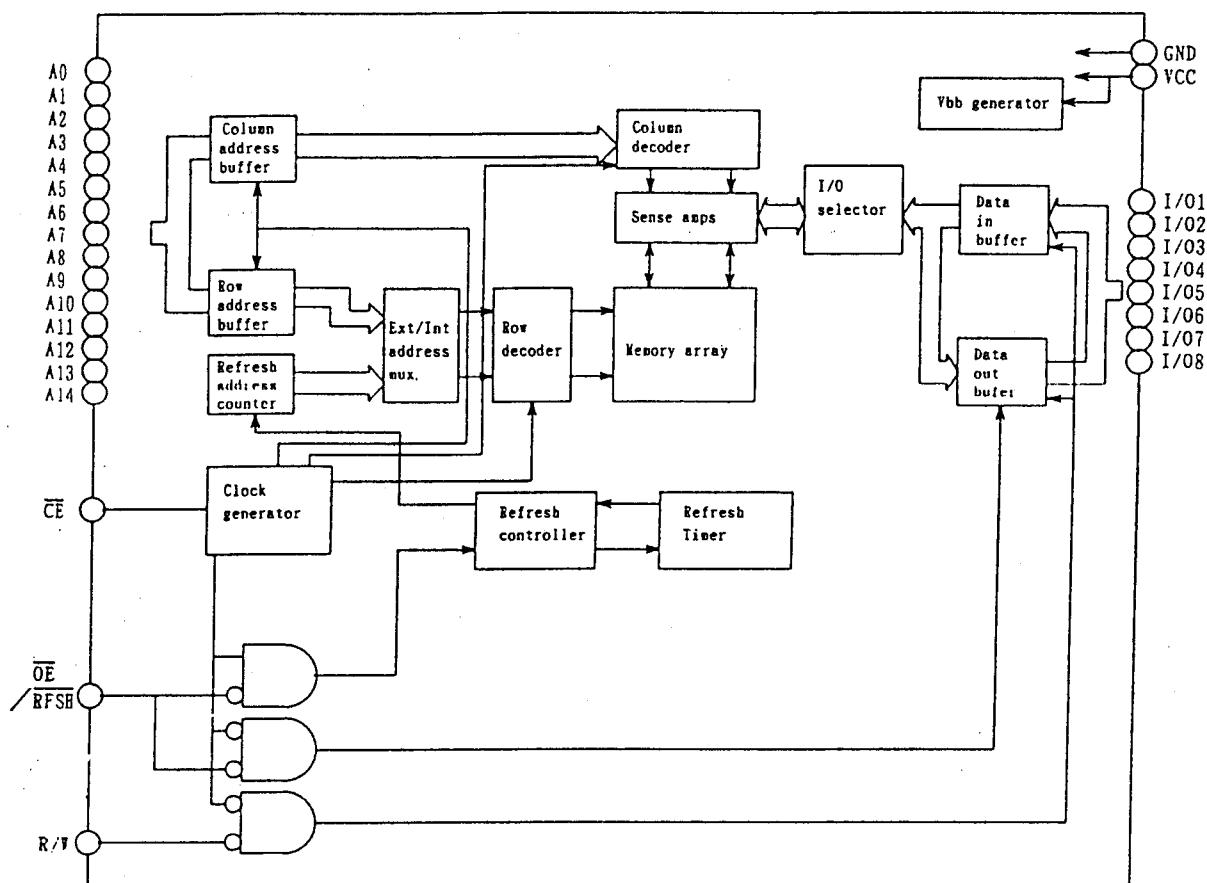
No.	Name	I/O	Description
1	CD	I	Serial data of parameter data input.
2	TSBWD	I	LSI test terminal. Normally connect to DVDD.
3	TI/O	I	LSI test terminal. Normally connect to DVDD.
4	AVDD	—	+5V power supply (A/D, D/A)
5	RL	O	RL channel D/A output
6	FL	O	FL channel D/A output
7	CHL	—	LINS input sample/hold capacitor external terminal.
8	LINS	I	L channel A/D input
9	RINS	I	R channel A/D input
10	CHR	—	RINS input sample/hold capacitor external terminal.
11	FR	O	FR channel D/A output
12	RR	O	RR channel D/A output
13	CV	O	A/D, center power voltage of the multiplying DAC.
14	AGND	—	GND (A/D, D/A)
15	AGND	—	GND (multiplying DAC)
16	VREF	I	Reference power voltage input of the multiplying DAC.
17	LINM	I	L channel multiplying DAC input
18	RINM	I	R channel multiplying DAC input
19	VOLM	O	L channel operational amplifier. Connect to the negative (–) terminal.
20	VOLP	O	L channel operational amplifier. Connect to the positive (+) terminal.
21	VOCM	O	C channel operational amplifier. Connect to the negative (–) terminal.
22	VOCP	O	C channel operational amplifier. Connect to the positive (+) terminal.

No.	Name	I/O	Description
23	VORM	O	R channel operational amplifier. Connect to the negative (–) terminal.
24	VORP	O	R channel operational amplifier. Connect to the positive (+) terminal.
25	AVDD	—	+5V power supply (multiplying DAC)
26	DVDD	—	+5V power supply (digital)
27	D7	I/O	External delay RAM data terminal
28	D6	I/O	
29	D5	I/O	
30	D4	I/O	
31	D3	I/O	
32	D2	I/O	
33	D1	I/O	
34	D0	I/O	
35	A0	O	External delay RAM address terminal
36	A1	O	
37	A2	O	
38	A3	O	
39	A4	O	
40	DGND	—	GND (digital)
41	DGND	—	
42	A5	O	External delay RAM address terminal
43	A6	O	
44	A7	O	
45	A12	O	
46	A14	O	External delay RAM address terminal
47	WE	O	

No.	Name	I/O	Description
48	A13	O	External delay RAM address terminal
49	A8	O	
50	A9	O	
51	A11	O	
52	OE	O	External delay RAM output enable terminal
53	A10	O	External delay RAM address terminal
54	CE	O	External delay RAM chip enable terminal
55	XO	O	Crystal oscillator connection terminal
56	XI	I	Crystal oscillator connection terminal (11.2896MHz)
57	SyncI	I	Test terminal for system cycle. Normally connect to DVDD.
58	DVDD	—	+5V power supply (digital)
59	SyncO	O	Test terminal for system cycle. Normally do not connect.
60	IC	I	Initial clear terminal. Requires to be reset when the power is turned ON.
61	LRS	O	External auto input balance terminal. Normally do not connect.
62	CSS	O	
63	BCK	I	Parameter data input bit clock
64	WCK	I	Parameter data input word clock

8.2 LH5P832N – 10T (IC1302)

● Block Diagram



● Pin Function

No.	Symbol	Description
1	A14	ADDRESS INPUT
2	A12	
3	A7	
4	A6	
5	A5	
6	A4	
7	A3	
8	A2	
9	A1	
10	A0	
11	I/O1	DATA INPUT/OUTPUT
12	I/O2	
13	I/O3	
14	GND	GND

No.	Symbol	Description
15	I/O4	DATA INPUT/OUTPUT
16	I/O5	
17	I/O6	
18	I/O7	
19	I/O8	
20	CE	CHIP ENABLE
21	A10	DATA INPUT/OUTPUT
22	OE/RFSH	OUTPUT ENABLE/REFRESH
23	A11	ADDRESS INPUT
24	A9	
25	A8	
26	A13	ADDRESS INPUT
27	R/W	READ/WRITE INPUT
28	Vcc	Vcc

9. REMOTE CONTROL UNIT [CU – VSX048 (AXD1268)]
[CU – VSX047 (AXD1269)]
[CU – VSX052 (AXD1288)]

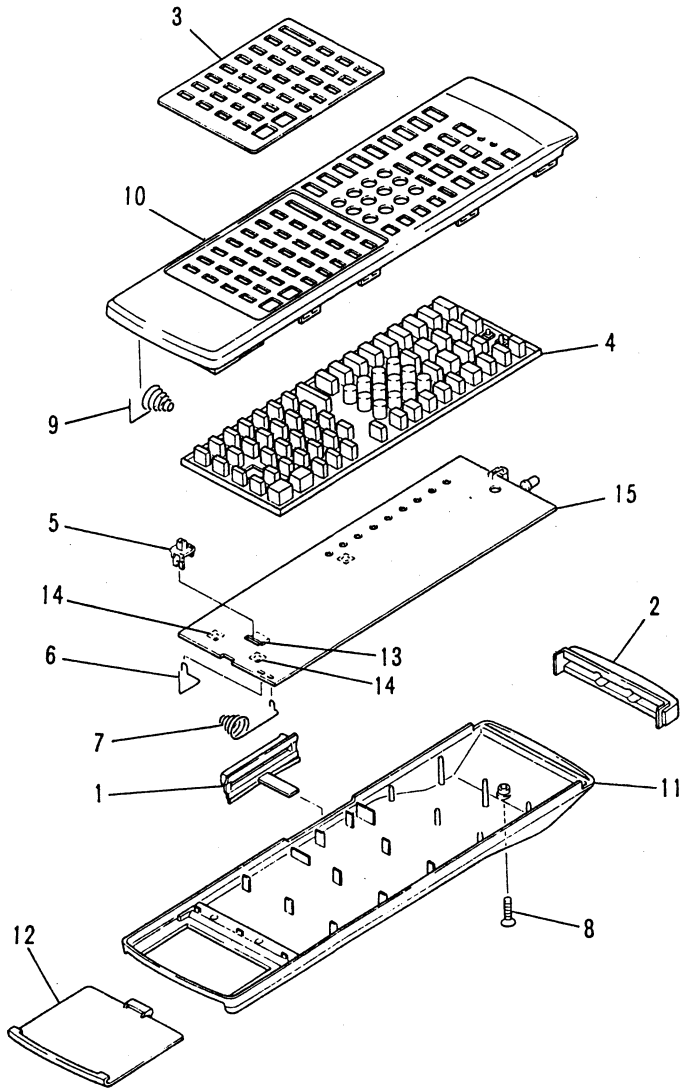
9.1 EXPLODED VIEW AND PARTS LIST

NOTES:

- Parts marked by "NSP" are generally unavailable because they are not in our Master Spare Parts List.
- The Δ mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.
- Parts marked by "●" are not always kept in stock. Their delivery time may be longer than usual or they may be unavailable.

Parts list of Exterior

Mark	No.	Description	Parts No.
	1	MODE CHECK KEY	AZA1335
	2	FILTER	AZA1336
	3	PLATE (AXD1268)	AZA1367
	3	PLATE (AXD1288)	AZA1379
	3	PLATE (AXD1269)	AZA1368
	4	RUBBER SHEET (AXD1268)	AZA1362
	4	RUBBER SHEET (AXD1288)	AZA1363
	4	RUBBER SHEET (AXD1269)	AZA1363
	5	KNOB	AZA1349
	6	TERMINAL (+)	AZB1327
	7	TERMINAL (-)	AZB1328
	8	SCREW	AZB1329
	9	TERMINAL (C)	AZB1330
	10	CASE (A)(AXD1268)	AZN2089
	10	CASE (A)(AXD1269)	AZN2175
	10	CASE (A)(AXD1288)	AZN2089
	11	CASE (B)(AXD1268)	AZN2090
	11	CASE (B)(AXD1269)	AZN2184
	11	CASE (B)(AXD1288)	AZN2090
	12	BATTERY COVER	AZN2091
	13	SLIDE SW	AZS1117
	14	TACT SW	AZS1118
NSP	15	P. C. BOARD (AXD1288)	AZW1130
NSP	15	P. C. BOARD (AXD1268)	AZW1130
NSP	15	P. C. BOARD (AXD1269)	AZW1133



9.2 PCB PARTS LIST

NOTES:

- Parts marked by "NSP" are generally unavailable because they are not in our Master Spare Parts List.
- The Δ mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.
- Parts marked by "●" are not always kept in stock. Their delivery time may be longer than usual or they may be unavailable.
- When ordering resistors, first convert resistance values into code form as shown in the following examples.

Ex. 1 When there are 2 effective digits (any digit apart from 0), such as 560 ohm and 47k ohm (tolerance is shown by J = 5%, and K = 10%).
560 Ω $\rightarrow$ 56 $\times$ 10¹ $\rightarrow$ 561 RD1/8PM Δ Δ Δ J
47k Ω $\rightarrow$ 47 $\times$ 10³ $\rightarrow$ 473 RD1/4PS Δ Δ Δ J
0.5 Ω $\rightarrow$ 0R5 RN2H Δ Δ Δ K
1 Ω $\rightarrow$ 010 RS1P Δ Δ Δ K

Ex. 2 When there are 3 effective digits (such as in high precision metal film resistors).
5.62k Ω $\rightarrow$ 562 $\times$ 10¹ $\rightarrow$ 5621 RN1/4PC Δ Δ Δ Δ F

Parts list of AXD1268 (VSX – D701S/KU, KC, SD)
AXD1288 (VSX – D601/KC)

Mark	No.	Description	Parts No.
SEMICONDUCTORS			
	IC1	μ -COM	ACM001-029
	IC2	IC	AZC1564
	IC3	LOGIC IC	MC74HC138F
	Q1, 2	CHIP TRANSISTOR	2SC3052E
	Q3, 4	TRANSISTOR	2SD1622
	D1	DIODE	DWA010-TE
	D10-17	LED	AZC1573
	D2-6	DIODE	DWA010-TE
	D7	LED	SLR-938C
	D8	DIODE	SPS-503C-3
	D9	LED	AZC1573
CAPACITORS			
	C1, 2	CERAMIC CAPACITOR	CCDSL330J50
	C3	CERAMIC CAPACITOR	CCDSL221J50
	C4	CERAMIC CAPACITOR	CKDYX104M25
	C5	ELECT. CAPACITOR	CEAS470M10
	C6	CERAMIC CAPACITOR	CKDYB103K50
	C7	ELECT. CAPACITOR	CEAS221M10
	C8	ELECT. CAPACITOR	CEAS4R7M50
RESISTORS			
	R7, 8	CARBON FILM RESISTOR	RD1/4PMFL1R5J
		Other resistors	RD1/8PM Δ Δ Δ J
OTHERS			
	X1	RESONATOR	AZC1570

Parts list of AXD1269 (VSX – D601/KU)

Mark	No.	Description	Parts No.
SEMICONDUCTORS			
	IC1	μ -COM	S-1800AF-002
	Q1	TRANSISTOR	2SD1664
	Q2, 3	CHIP TRANSFORMER	2SC2412K
	IED1	LED	SLR-938C
	LED1-9	LED	AZC1573
CAPACITORS			
	C1, 2	CERAMIC CAPACITOR	AZC1587
	C3, 4	CERAMIC CAPACITOR	CKDYX104M25
	C5	ELECT. CAPACITOR	CEAS470M10
RESISTORS			
	R1	CARBON FILM RESISTOR	RD1/4PM1R8J
		Other resistors	RD1/8PM Δ Δ Δ J
OTHERS			
	X1	RESONATOR	AZC1586

9.3 SCHEMATIC DIAGRAM (FOR AXD1268 AND AXD1288)

NOTE)

JP2 : The terminal for switching Fc (carrier frequency of the fixed code). This terminal is set at OPEN (Fc = 40kHz) when delivered. If a product of another manufacturer accidentally receives the PIONEER code, short the terminal so that Fc will be 36.7kHz. (In which case, the learned code and preset code do not change.)

JP3 : This remote control saves the learned data, timing data in ROM and other data (such as code data) in RAM. ROM already contains the timing data for other primary manufacturers. JP3 is a terminal for switching whether or not to use that pre-loaded timing data during learning. This terminal is set at OPEN when delivered. If "data is learned but the product does not operate," there is the rare possibility that learned timing data is affected by the timing data for another primary manufacturer in ROM, causing the receiving product to be deactivated. In such a case, short JP3 to clear all the learned data and restart data learning, so that the data precision is increased. (In which case, the learned data in RAM is shared as is.)

NOTE:

- : Indicates a chipresistor.
- ⊕ : Indicates a chipcapacitor.
- : Indicates a chiptransistor.
- ⊞ : Indicates a chipdiode.

Note:

(Type 2)

- When ordering service parts, be sure to refer to "PARTS LIST of EXPLODED VIEWS" or "PCB PARTS LIST".
- Since these are basic circuits, some parts of them or the values of some components may be changed for improvement.
- RESISTORS:**
Unit: k:kΩ, M:MΩ, or Ω unless otherwise noted.
Rated power: 1/4W, 1/6W, 1/8W, 1/10W unless otherwise noted.
Tolerance: (F): ±1%, (G): ±2%, (K): ±10%, (M): ±20% or ±5% unless otherwise noted.

4. CAPACITORS:

Unit: p:pF or μF unless otherwise noted.
Ratings: capacitor (μF)/ voltage (V) unless otherwise noted.
Rated voltage: 50V except for electrolytic capacitors.

5. COILS:

Unit: m:mH or μH unless otherwise noted.

6. VOLTAGE AND CURRENT:

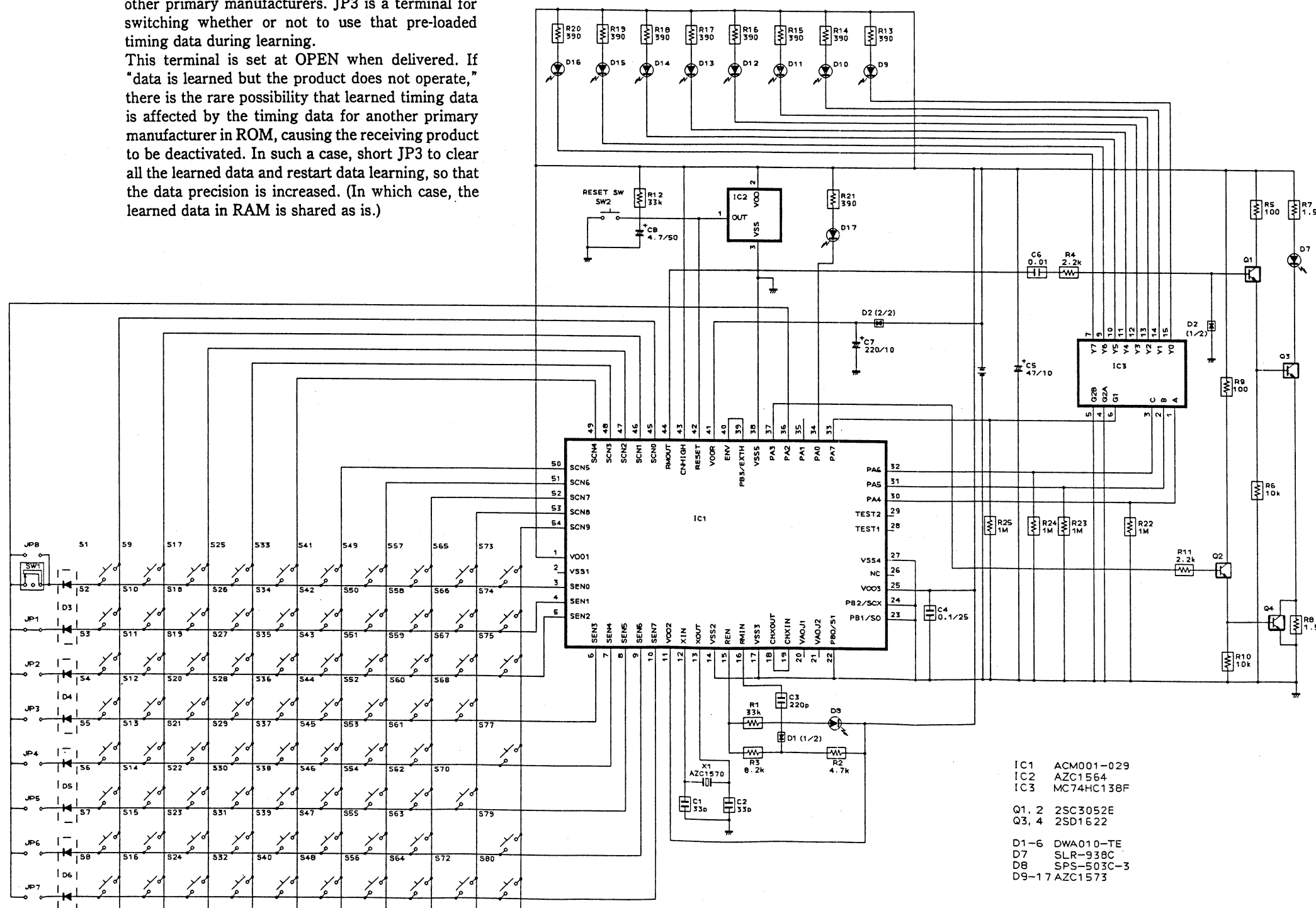
□ : DC voltage (V) at no input signal unless otherwise noted.
⊞ mA or ⊞ mA : DC current at no input signal unless otherwise noted.

7. OTHERS:

- ⊙ : Adjusting point.
- The Δ mark found on some component parts indicates the importance of the safety factor of the parts. Therefore, when replacing, be sure to use parts of identical designation.

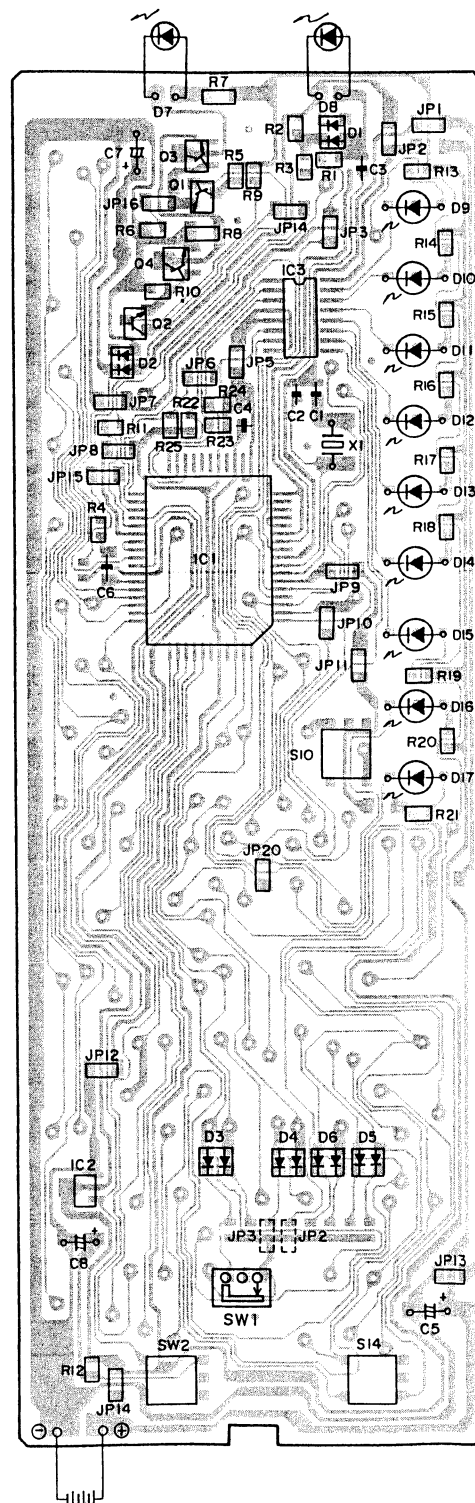
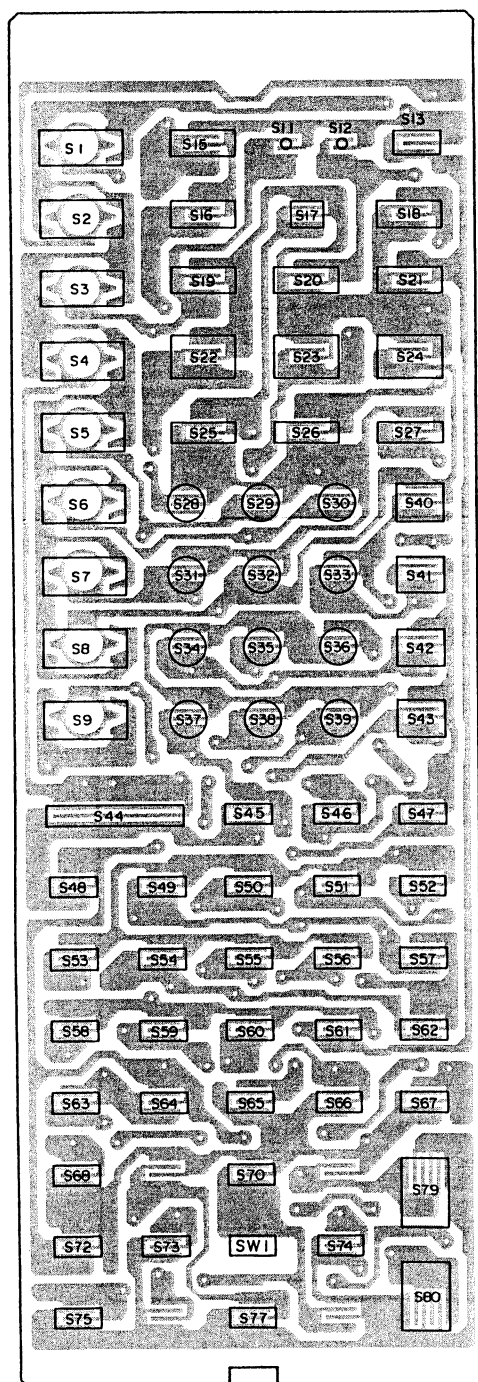
8. SWITCHES (Underline indicates switch position):

SW1: CENT. BAL. / REAR REAR BAL.
SW2: RESET
S1: VCR1
S2: VCR2
S3: LD
S4: TV
S5: CD
S6: TUNER
S7: DECK 1
S8: DECK 2
S9: DAT
S10: MODE CHECK
S11: LEARN
S12: EDIT
S13: MULTI COMMAND
S14: M. CLEAR
S15: POWER
S16: REC
S17: REC
S18: (SEARCH)
S19: (SEARCH)
S20: (SEARCH)
S21: (SEARCH)
S22: (SEARCH)
S23: (SEARCH)
S24: (SEARCH)
S25: TV/VCR (+10)
S26: SELECT (DISP)
S27: TV FUNC (BAND)
S28: 1
S29: 2
S30: 3
S31: 4
S32: 5
S33: 6
S34: 7
S35: 8
S36: 9
S37: 10/0
S38: 11/PGM
S39: 12/CLEAR
S40: CUSTOM (TV VOL+)
S41: SCAN (TV VOL-)
S42: FREQ CH (V)
S43: FREQ CH (A)
S44: RECEIVER POWER
S45: AUTO SOURCE CONTROL 1
S46: AUTO SOURCE CONTROL 2
S47: SLEEP
S48: VCR1
S49: VCR2
S50: LD
S51: TV
S52: VIDEO
S53: TAPE1/DAT
S54: TAPE2/MONITOR
S55: CD
S56: TUNER
S57: PHONO
S58: SIMULATED STEREO
S59: ACOUSTIC
S60: V. SEL
S61: DISPLAY
S62: RETURN
S63: SURR MODE
S64: 3CH LOGIC
S65: CENTER MODE
S66: TEST TONE
S67: MUTING
S68: EFFECT +
S70: CENTER +
S72: EFFECT -
S73: REAR L
S74: REAR R
S75: DELAY TIME
S77: CENTER -
S79: MASTER VOLUME +
S80: MASTER VOLUME -

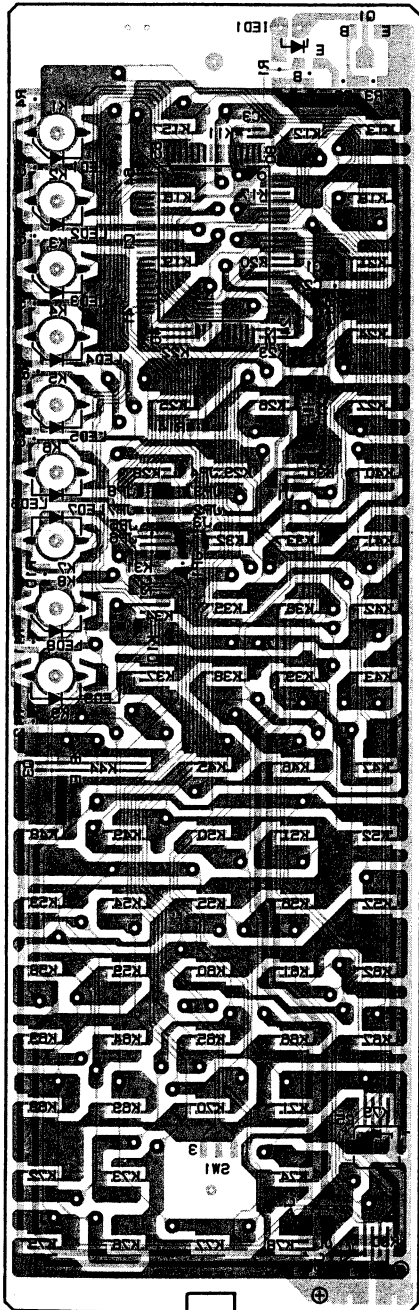
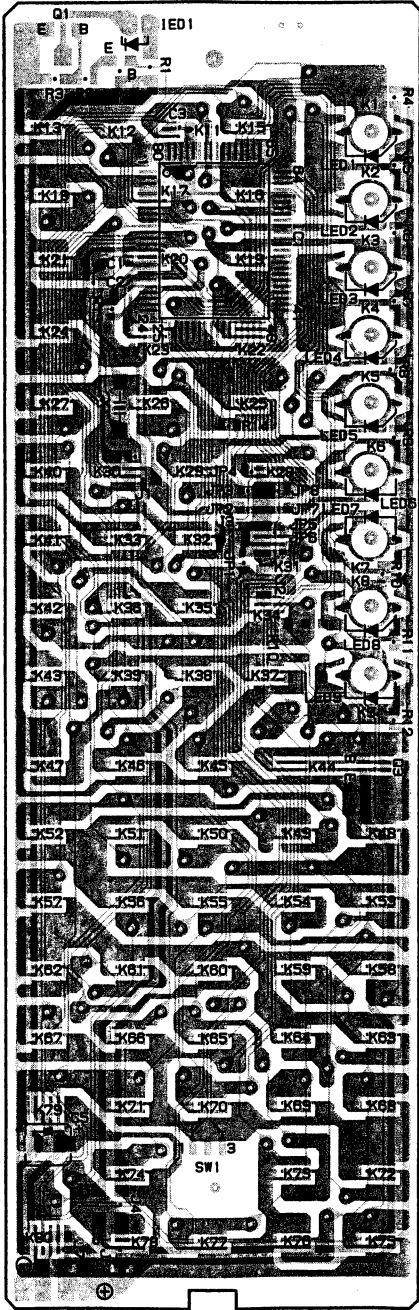


9.4 P. C. BOARD PATTERN (FOR AXD1268 AND AXD1288)

-  : Indicates a chip resistor.
 : Indicates a chip capacitor.
 : Indicates a chip transistor.
 : Indicates a chip diode.



9.5 P. C. BOARD PATTERN (FOR AXD1269)



A



- K80:MASTER VOLUME -

D

10. FOR VSX – D701S/KC, SD, VSX – D601/KU AND KC TYPES

NOTES:

- Parts marked by "NSP" are generally unavailable because they are not in our Master Spare Parts List.
- The Δ mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.
- Parts marked by "●" are not always kept in stock. Their delivery time may be longer than usual or they may be unavailable.

10.1 CONTRAST OF MISCELLANEOUS PARTS

VSX – D701S/KC, SD, VSX – D601/KU, KC and VSX – D701S/KU have the same construction except for the following :

Mark	Symbol & Description	Part No.					Remarks
		VSX – D701S/ KU	VSX – D701S/ KC	VSX – D701S/ SD	VSX – D601/ KU	VSX – D601/ KC	
●	A/V FUNCTION assembly	AWZ4290	AWZ4290	AWZ4293	AWZ4264	AWZ4264	
	FL U-COM assembly	AWK1548	AWK1548	AWK1612	AWK1558	AWK1558	
	OSD assembly	AWZ4295	AWZ4295	.....	.....	.....	
Δ	S1 Voltage selector (AC110V, 120 – 127V, 220V, 240V)	.....	.....	AKX – 507	.....	.....	
Δ	S2 Voltage selector (AC110V – 127V/220V – 240V)	.....	.....	AKX1004	.....	.....	
Δ	S3 Slide switch (9k/10k)	.....	.....	ASH – 004	.....	.....	
Δ	T1 Power transformer (AC120V)	ATS1426	ATS1426	.....	ATS1426	ATS1426	
Δ	T1 Power transformer (AC110V/120 – 127V/220V/240V)	.....	.....	ATS1427	.....	.....	
Δ	C1, C2 Capacitor (0.01 μ F)	.....	.....	ACG1003	.....	.....	
Δ	FU1 Fuse (8A/125V)	AEK1002	AEK1002	.....	AEK1002	AEK1002	
Δ	FU1 Fuse (4A/125V)	.....	.....	AEK – 125	.....	.....	
Δ	FU2 Fuse (4A/125V)	.....	.....	AEK – 125	.....	.....	
Δ	FU7 Fuse (8A/125V)	.....	AEK1002	.....	.....	AEK1002	
NSP	Fuse holder	.....	.....	AKR1001	.....	.....	
Δ	AC Power cord	ADG1058	ADG1058	ADG1051	ADG1058	ADG1058	
Δ	Cord stopper	AEP – 113	AEP – 113	AEC – 882	AEP – 113	AEP – 113	
	Screw	.....	.....	VMZ26P040FZK	.....	.....	
	Function button L	AAD2266	AAD2266	AAD2266	AAD2268	AAD2268	For Slide switch
	Function button R	AAD2267	AAD2267	AAD2267	AAD2269	AAD2269	
	Front panel	AMB1991	AMB1991	AMB1991	AMB1990	AMB1990	
	Rear panel	ANC1896	ANC1896	ANC1897	ANC1894	ANC1894	
NSP	Barrier			AEC1412			
	Packing case	AHD2281	AHD2281	AHD2282	AHD2280	AHD2280	
	Remote control unit	AXD1268	AXD1268	AXD1268	AXD1269	AXD1288	
	Operating Instructions (English)	ARB1380	ARB1380	ARB1380	ARB1380		
	Operating instructions (English, French)					ARE1242	
	Operating instructions (French)		ARC1364				

A/V FUNCTION ASSEMBLY

A/V FUNCTION assembly (AWZ4264, AWZ4293) and A/V FUNCTION assembly (AWZ4290) have the same construction except for the following :

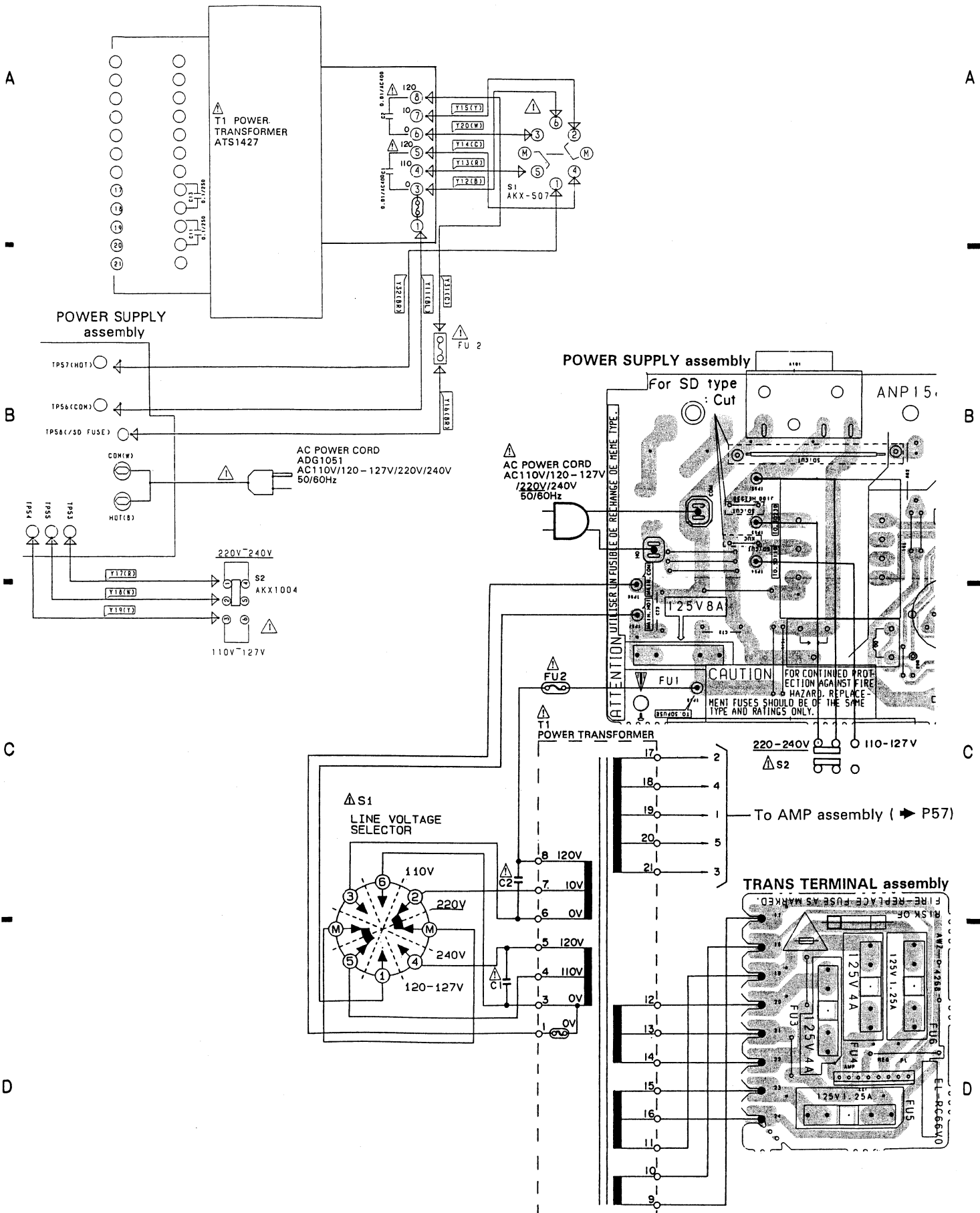
Mark	Symbol & Description	Part No.			Remarks
		AWZ4290	AWZ4293	AWZ4264	
	IC882	NJM2233BS	NJM2233BS	.....	
	D851, D852	1SS352	1SS352	.....	
	C888	.....	CEAS471M6	CEAS471M6	
	C891	CEAS101M16	CEAS101M16	.....	
	C892, C893	CEAS470M16	CEAS470M16	.....	
	C900	CKSQYB103K50	CKSQYB103K50	.....	
	R888	.....	RS1/10S103J	RS1/10S103J	
	R889	.....	RS1/10S680J	RS1/10S680J	
	R898	RS1/10S102J	RS1/10S102J	.....	
	R912	RD1/8PM100J	.....	.....	
	Pin jack	.....	AKB1145	AKB1145	MONI OUT

FL U-COM ASSEMBLY

FL U-COM assembly (AWK1612, AWK1558) and FL U-COM assembly (AWK1548) have the same construction except for the following :

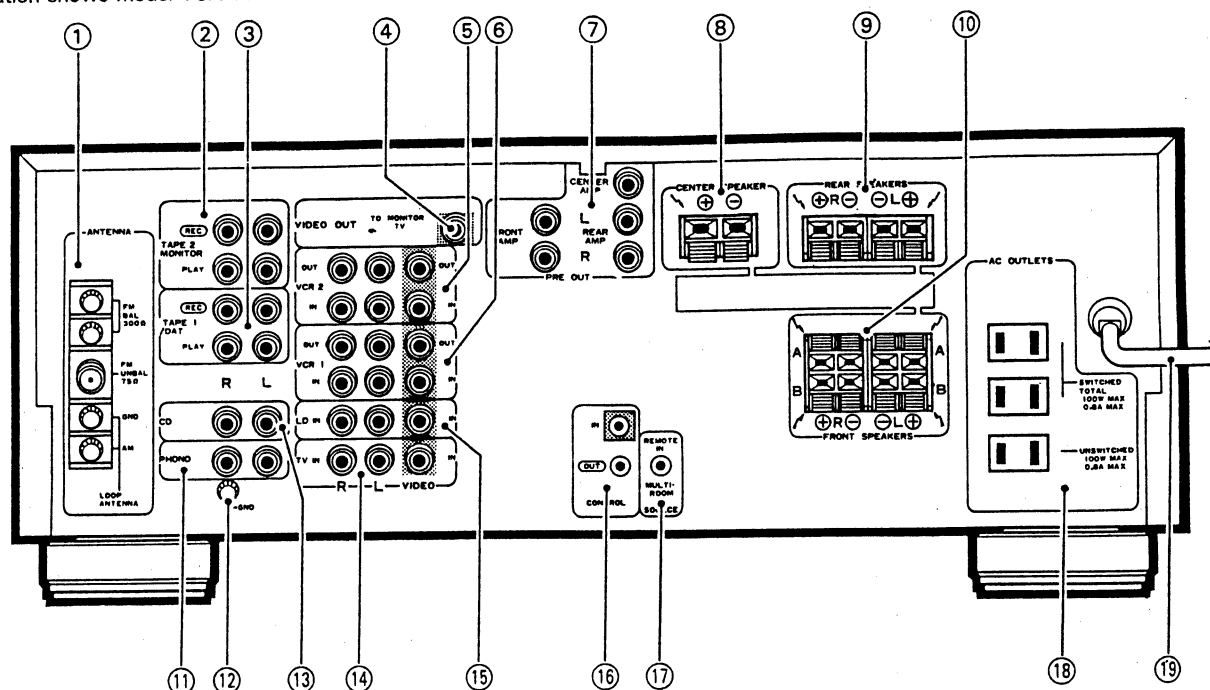
Mark	Symbol & Description	Part No.			Remarks
		AWK1548	AWK1612	AWK1558	
	S630, S644, S648	ASG1034	ASG1034	.....	
	R619	RD1/8PM750J	RD1/8PM750J	.....	
	R620, R622	RD1/8PM474J	RD1/8PM474J	.....	
	R621, R623	RD1/8PM331J	RD1/8PM331J	.....	
	R626	RD1/8PM473J	RD1/8PM473J	.....	
	R627	.....	.....	RD1/8PM473J	
	R631	RD1/8PM222J	RD1/8PM222J	.....	
	Pin jack 1P	AKB1082	AKB1082	.....	

10.2 POWER SUPPLY SECTION (FOR VSX-D701S/SD)



11. PANEL FACILITIES

• Illustration shows model VSX-D701S.



① FM/AM ANTENNA terminals

Use these antenna terminals for reception of normal FM and AM broadcasts.

② TAPE 2 MONITOR jacks

Connect the second cassette deck to these jacks.

Connecting for Recording

The tape recording jack (REC) on the cassette deck should be connected to the REC side of the TAPE 2 MONITOR jack on the receiver with a pin plug connecting cord.

Connecting for Playback

Connect the TAPE PLAY jack on the cassette deck to the PLAY side of the TAPE 2 MONITOR jack on the receiver with a pin plug connecting cord.

③ TAPE 1/DAT jacks

Use these to connect the cassette deck or DAT (digital audio tape) deck.

Connecting for Recording

The tape recording jack (REC) on the cassette deck or DAT should be connected to the REC side of the TAPE 1/DAT jack on the receiver with a pin plug connecting cord.

Connecting for Playback

Connect the PLAY jack on the cassette deck or DAT to the PLAY side of the TAPE 1/DAT jack on the receiver with a pin plug connecting cord.

④ VIDEO OUT (TV MONITOR) jack

Connect to monitor TV or to TV sets with video input terminals for watching program materials from a VCR 1, 2 or LD player connected to this unit.

⑤ VCR 2 jacks

[VIDEO OUT]

When copying program material from the video component connected to the VCR 1 or LD jacks, connect to the VIDEO INPUT jacks of the VCR used for recording.

[AUDIO OUT (L, R)]

When copying program materials from the video component connected to the VCR 1 or LD jacks, or when recording music from an audio component source, connect to the AUDIO INPUT jacks of the VCR used for recording.

[VIDEO IN]

When monitoring the video image from a VCR used for copying, connect its VIDEO OUTPUT jacks here.

[AUDIO IN (L, R)]

When monitoring the audio channel from a VCR used for copying, connect its AUDIO OUTPUT jacks here.

⑥ VCR 1 jacks

[VIDEO OUT]

When copying program material from the video component connected to the VCR 2 or LD jacks, connect to the VIDEO INPUT jacks of the VCR used for recording.

[AUDIO OUT (L, R)]

When copying program material from the video component connected to the VCR 2 or LD jacks, or when recording music from an audio component source, connect to the AUDIO INPUT jacks of the VCR used for recording.

[VIDEO IN]

When monitoring the video image from a VCR used for playing, connect its VIDEO OUTPUT jacks here.

[AUDIO IN (L, R)]

When monitoring the audio channel from a VCR used for playing, connect its AUDIO OUTPUT jacks here.

⑦ PRE OUT jacks

[FRONT AMP]

When a separate power amplifier is used to drive the front speakers, connect the power amplifier to these jacks.

[CENTER AMP]

When a separate power amplifier is used to drive the surround center speaker, connect the power amplifier to this jack.

[REAR AMP]

When a separate power amplifier is used to drive the rear speakers, connect the power amplifier to these jacks.

⑧ CENTER SPEAKER terminals

Connect the center speaker to these terminals.

NOTE:

Do not allow any of the cord's conductors to protrude from the terminals or touch any other conductors. Malfunctioning or breakdowns may occur when conductors come into contact with each other. Use center speakers of impedance $8\ \Omega$ — $16\ \Omega$.

⑨ REAR SPEAKERS terminals

Connect the rear speakers to these terminals.

NOTE:

Do not allow any of the cord's conductors to protrude from the terminals or touch any other conductors. Malfunctioning or breakdowns may occur when conductors come into contact with each other. Use rear speakers of impedance $8\ \Omega$ — $16\ \Omega$.

⑩ FRONT SPEAKERS terminals

A: Connect to the first set of speakers.

B: Connect to the second set of speakers.

Speaker lead wire preparation and connection.

NOTE:

Do not allow any of the cord's conductors to protrude from the terminals or touch any other conductors. Malfunctioning or breakdowns may occur when conductors come into contact with each other. Use speakers of impedance $8\ \Omega$ — $16\ \Omega$.

⑪ PHONO input jacks

Connect to the output cables from a turntable.

⑫ GND terminal

Connect the turntable ground lead to this terminal.

⑬ CD input jacks

Connect to the output jacks of a compact disc player.

⑭ TV jacks (input)

Use these jacks if you wish to connect a TV tuner with both video and audio outputs.

[VIDEO IN]

Connect the TV tuner's VIDEO OUTPUT to this jack.

[AUDIO IN (L, R)]

Connect the TV tuner's AUDIO OUTPUT to these jacks.

⑮ LD jacks

[VIDEO IN]

When watching the video image from an LD player, connect its VIDEO OUTPUT jacks here.

[AUDIO IN (L, R)]

When playing back the audio channel from an LD player, connect its AUDIO OUTPUT jacks here.

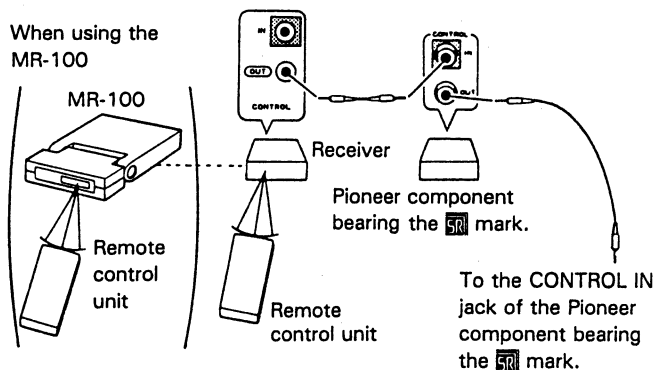
⑯ CONTROL IN/OUT jacks

IN: Connect this jack to other Pioneer components (main unit or remote control unit) when using those components to control this unit.

OUT: Connect this jack to other Pioneer components when using the remote control of this unit to control the other components.

NOTE:

The receiver's remote sensor does not function when a plug is inserted in IN jack. To operate, point the remote control unit at the remote sensor on the component to which the receiver's IN jack is connected.



⑰ MULTI-ROOM REMOTE IN jack

Connect to the separately sold MR-100 Multi-Room remote control unit.

⑱ AC OUTLETS

[U.S. and Canadian models]

[SWITCHED TOTAL 100 W (0.8 A) MAX]

Power supplied through these outlets is turned on and off by the receiver's POWER switch. Total electrical power consumption of connected equipment should not exceed 100 W (0.8 A).

[UNSWITCHED 100 W (0.8 A) MAX]

Power flows continually to this outlet, regardless of whether the receiver is switched ON or OFF. Electrical power consumption of the connected equipment should not exceed 100 W (0.8 A).

The equipment should be disconnected by removing the power plug from the wall socket when not in regular use, e.g. when on vacation.

[Multi-voltage model]

SWITCHED TOTAL 100 W MAX

Power supplied through these outlets is turned on and off by the receiver's POWER switch. Total electrical power consumption of connected equipment should not exceed 100 W.

UNSWITCHED 100 W MAX

Power flows continually to this outlet, regardless of whether the receiver is switched ON or OFF. Electrical power consumption of the connected equipment should not exceed 100 W.

NOTE:

- This unit should be disconnected by removing the power plug from the wall socket when not in regular use, e.g. when on vacation.
- Do not connect appliances with high power consumption such as heaters, irons, or television sets to these AC OUTLETS in order to avoid overheating and fire risk.

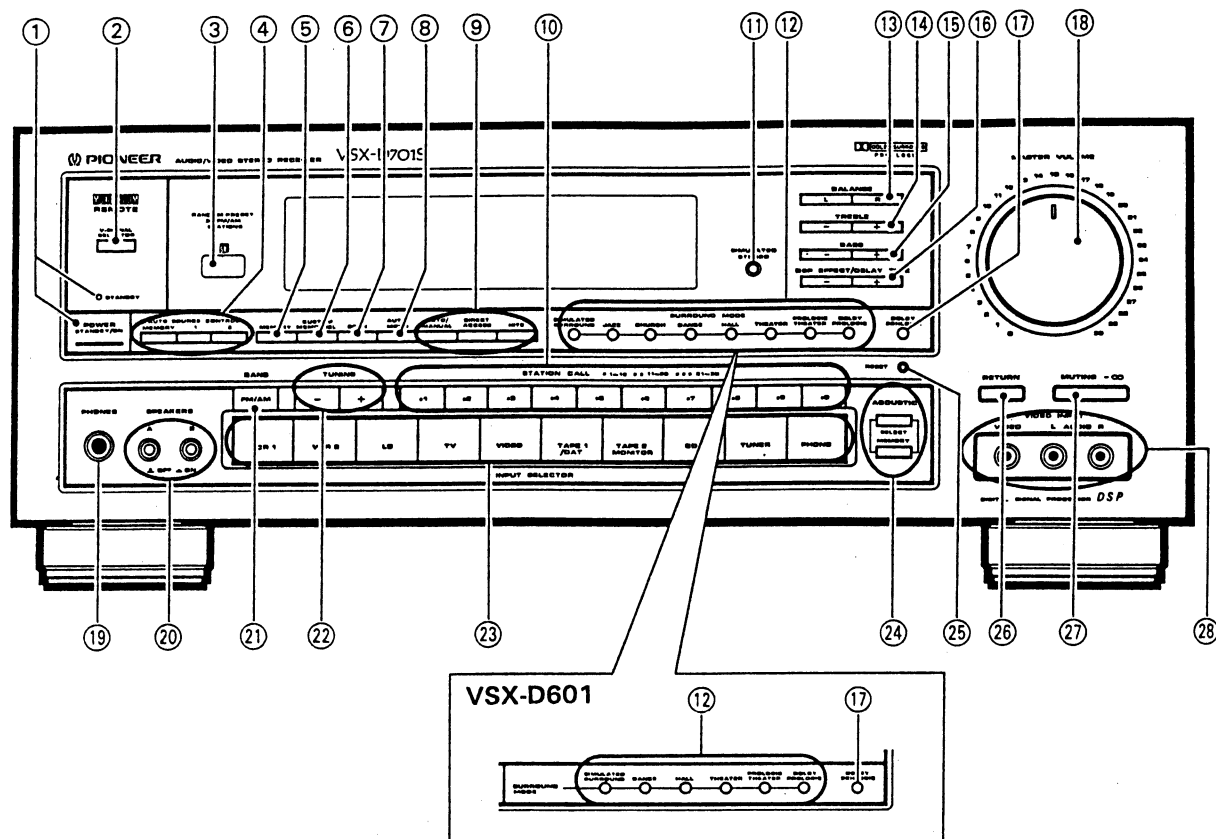
This can cause the receiver to malfunction.

CAUTION:

DO NOT CONNECT MONITOR OR TV SET.

⑲ Power cord

• Illustration shows model VSX-D701S.



① POWER STANDBY/ON switch/STANDBY indicator

This is the switch for electric power.

ON: When set to the ON position, power is supplied and the unit becomes operational.

STANDBY: When set to STANDBY position, the main power flow is cut and the unit is no longer fully operational. A minute flow of power feeds the unit to maintain operation readiness.

The STANDBY indicator lights when the power is STANDBY, and goes out during ON.

[Timer ON/OFF possible]

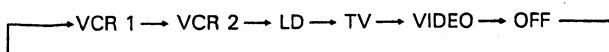
When the unit is switched ON, ON/OFF control can be performed by means of the optional timer.

NOTE:

When the power is initially turned ON, muting will be applied to prevent sound from being output for about 5 seconds.

② V-SIGNAL (VIDEO SIGNAL) SELECTOR button

Use to change the video signal in sequence leaving the sound unchanged.



The current setting is shown by an indicator on the display section.

③ Remote sensor

④ AUTO SOURCE CONTROL/MEMORY buttons

1, 2 buttons:

These buttons are for memorizing and recalling your current settings. Both 1 and 2 can be used to memorize settings. If you connect another component, such as a CD player, to the CONTROL OUT jack on the rear panel, the signals to switch power on and start play are also transmitted.

MEMORY:

Use when memorizing settings to a 1, 2 button.

⑤ MEMORY button

Pressing this button will result in the memorization of the current broadcast band, reception frequency, and FM AUTO/MONO mode. This button is also used for custom memory operation.

⑥ CUSTOM MEMO SEL button

Recall a genre name with this button.

⑦ SCAN button

Operate when the INPUT SELECTOR is set to TUNER. Station frequencies assigned to the STATION CALL buttons are tuned in, one after another, beginning with the current station no., for approximately 5 seconds each. The display section SCAN indicator will light. Press the button again and the tuner remains tuned in to the station playing when the button was pressed the second time.

Station frequencies not assigned to station numbers in the memory are skipped.

When you have selected a CUSTOM MEMORY genre, memory scan is performed on the stations in that genre.

⑧ FM Mode AUTO/MONO button

Use to select the auto stereo mode or monaural mode when listening to FM broadcasts. The monaural mode has been selected when the FM MONO indicator in the display section is lit.

Auto stereo mode:

Normally, leave in this mode for reception. When a stereo FM broadcast is received, it will be automatically reproduced in stereo.

Monaural mode:

When receiving distant stations or stations with weak broadcast signals, the input signal may be weak, thus resulting in increased noise during FM stereo broadcasts. In this event, setting the receiver to the monaural mode will reduce the noise. In this case, however, FM stereo broadcasts will be reproduced in monaural sound.

NOTE:

This button has no effect on reception of AM broadcasts.

⑨ Tuning buttons

AUTO/MANUAL tuning selector button:

Use to select the tuning mode. To select the AUTO tuning mode, press this button to light the AUTO TUNING indicator in the display section. To select the MANUAL tuning mode, switch off the AUTO TUNING indicator.

AUTO tuning

When the — or + TUNING button is pressed, the receiver automatically scans the broadcast station frequencies. When a broadcast is detected, the scanning stops at that frequency.

NOTE:

Pressing the TUNING button (— or +) while scanning is taking place causes scanning to stop.

MANUAL tuning

This lets you manually tune to particular broadcast frequencies. Each press of the + or — button raises or lowers the frequency by one tuning step. For continuous scanning, keep the button pressed, then release it to stop scanning.

DIRECT ACCESS tuning button:

When this button is pressed, the STATION CALL buttons function as ten-key number buttons for direct input of the desired reception frequency. Press again to cancel this mode.

If the input station falls outside of the receiver's tuning range, the display section will display a message: "UPPER" if the frequency is too high and "LOWER" if it is too low.

HITS (Hyper Intelligent Tuning System) button:

Press this button, and search automatically begins up and down the frequency for stations that can be received. When a station that can be received is found, the search operation stops.

⑩ STATION CALL buttons

Up to 30 FM or AM stations can be preset at random.

These buttons are used to preset and recall desired broadcasting stations, FM AUTO/MONO mode.

NOTE:

Pressing a STATION CALL button will select TUNER as the source, regardless of what other listening source or function was selected. They are also used when performing direct access tuning.

⑪ SIMULATED STEREO button

Press to produce a simulated stereo effect when listening to monaural sources (for example, normal AM or TV broadcasts).

"SIMULATED STEREO" appears on the display section.

NOTE:

- *This effect is not produced through the rear speakers.*
- *Use with the SURROUND MODE in the OFF.*

⑫ SURROUND MODE selector buttons

"SURROUND EFFECT"

⑬ BALANCE buttons

Use them to adjust the sound volume balance between left and right speakers.

L: Press to decrease the sound on the right side.

R: Press to decrease the sound on the left side.

Press L and R together to bring the volume balance back to center.

NOTE:

The left-right sound volume balance cannot be adjusted on the rear speakers.

⑭ TREBLE control buttons

Use to adjust the high-frequency level. Press the + button to increase the high-frequency level, and the — button to decrease it.

The TONE indicator appears on the display section.

When both buttons (—, +) of the TREBLE control are pressed simultaneously, the treble response will be set to the flat (normal) condition.

⑮ BASS control buttons

Use to adjust the low-frequency level. Press the + button to increase the low-frequency level, and the — button to decrease it.

The TONE indicator appears on the display section.

When both buttons (—, +) of the BASS control are pressed simultaneously, the bass response will be set to the flat (normal) condition.

⑯ DSP EFFECT/DELAY TIME buttons

[DSP EFFECT]

When using a surround mode other than DOLBY PRO LOGIC SURROUND, 10-step adjustment of the effect level is possible from 10 to 100.

[DELAY TIME]

Operates when the DOLBY PRO LOGIC SURROUND mode is ON. Switches to surround delay time in 8 steps. For DOLBY PRO LOGIC SURROUND, 20 ms is standard.

Changes in 2 ms steps.

16 ms ↔ 18 ms ↔ ... ↔ 28 ms ↔ 30 ms

⑰ DOLBY 3CH LOGIC button

Select this setting when stereo-source regeneration and rear speakers are not connected and you wish to use the front L, front R, and center speakers to enjoy audio/visual material bearing the  **DOLBY SURROUND** mark.

⑱ MASTER VOLUME control

Use it to simultaneously adjust the sound volume from the front, center and rear speakers.

⑲ PHONES jack

Connect the plug on your headphones to this jack. Set all **SPEAKERS** A and B switches to OFF if you want to cut the sound from speakers and listen to it only through the headphones.

⑳ SPEAKERS buttons (A, B) OFF ON

ON/OFF switches for the A and B speaker systems.

NOTE:

No sound will be heard through the speakers when both A and B buttons are depressed if only one set of speakers has been connected to either A or B **SPEAKERS** terminals.

㉑ BAND (FM/AM) button

Use this to switch between FM and AM frequency band reception.

㉒ TUNING buttons

- + : Performs tuning from the currently displayed station frequency in ascending frequency order.
- : Performs tuning in order of descending frequencies.

㉓ INPUT SELECTOR buttons

VCR 1: Press when performing playback on a first VCR unit.

VCR 2: Press when performing playback on a second VCR unit.

LD: Press when performing playback on an LD player.

TV: Press when using a TV tuner connected to the TV jacks.

VIDEO (VSX-D701S only):

Press when performing playback on a VCR connected to VIDEO INPUT jacks on the front panel.

TAPE 1/DAT:

Press when performing playback on a DAT or cassette deck.

TAPE 2 MONITOR:

Press when performing playback on a second cassette deck or second DAT and when monitoring recording.

CD: Press when playing compact discs on a CD player.

TUNER: Press when listening to radio broadcasts.

PHONO: Press when playing records on turntable.

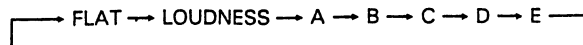
㉔ ACOUSTIC buttons

MEMORY:

Pressing this button will result in the memorization of the sound quality (tone control condition). Press again to cancel this mode.

SELECT:

- This button is used to preset the five acoustic memories (A—E).
- This button is also used to recall previously set sound quality settings. Each time you press the button, the sound quality setting advances in the order shown below.



FLAT: For flat (normal) frequency response.

LOUDNESS: Emphasizes the low- and high- frequency ranges. Produces a fuller sense of sound, particularly when listening at low volume.

A—E: Memorized acoustic memory settings.

㉕ RESET button

Use this when normal operation becomes impossible because of external influences such as static electricity or lightning, or when operation is impossible even when operation buttons are pressed. Press this button to return to normal operating conditions.

If you press this button when the power is ON, the unit switches to POWER STANDBY, and the entire contents of the memory are erased.

㉖ RETURN button

Press this button to return the receiver into the initial state. TUNER is selected at this initial state. Adjust the sound level by using the MASTER VOLUME control.

- TAPE 2 MONITOR OFF
- SURROUND MODE OFF
- MUTING OFF
- BALANCE CENTER
- FUNCTION TUNER
- V-SIGNAL SELECTOR OFF
- TONE flat

The HITS function searches for broadcast stations among the frequencies displayed.

NOTE:

If no sound is output after the RETURN button is pressed, make sure that **SPEAKERS** buttons are turned on.

㉗ MUTING button

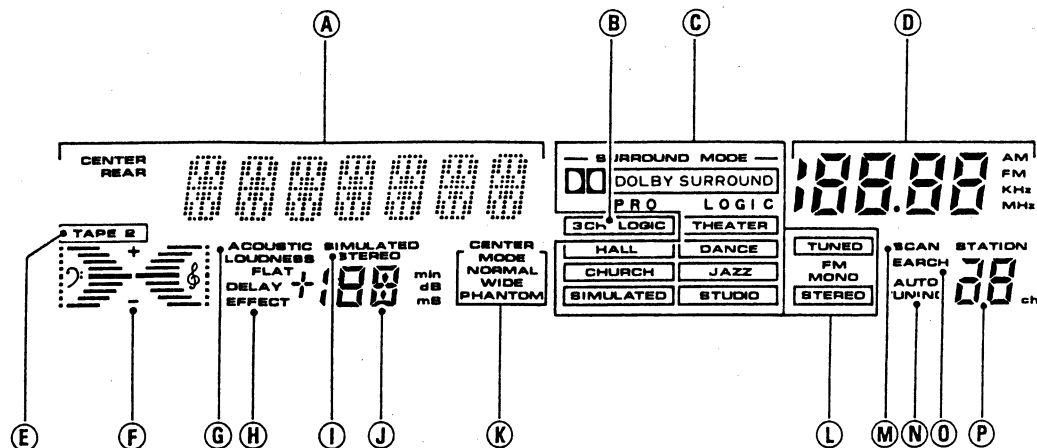
Press to temporarily cut off the sound volume. When pressed again, the sound will return to its previous level.

㉘ VIDEO INPUT jacks (VSX-D701S only)

VIDEO components such as a VCR or TV camera, etc. can be connected.

DISPLAY SECTION

- The illustration shows the VSX-D701S. SURROUND MODE indicators on the VSX-D601 are different.



A CHARACTER/LEVEL/BALANCE display

- This displays the name of the component selected with the INPUT SELECTOR and V-SIGNAL SELECTOR, etc.
- It also displays the level and balance settings during adjustment.

B DOLBY 3CH LOGIC indicator

C SURROUND MODE indicators

D Frequency/Band display

E TAPE 2 indicator

Lights up when the INPUT SELECTOR is set to TAPE 2 MONITOR ON.

F TONE level indicator

Shows the settings of the BASS and TREBLE buttons.

G ACOUSTIC display

H DELAY/EFFECT indicator

I SIMULATED STEREO indicator

J ACOUSTIC/DELAY TIME/EFFECT LEVEL/LEVEL/SLEEP TIME display

- Indicates delay time (ms) when using DOLBY PRO LOGIC SURROUND.
- Indicates rear level and center level (dB).
- Indicates sleep timer settings (min).
- Displays Acoustic memory letters A to E.
- Displays surround effect level from 10 to 100.

K CENTER MODE indicators

These display the center mode (NORMAL, WIDE, PHANTOM) during DOLBY PRO LOGIC SURROUND and DOLBY 3CH LOGIC operation

L Tuning indicators

TUNED: Lights up when a station is tuned.

FM MONO: Lights up when the FM MONO mode is selected with the FM MODE AUTO/MONO button.

STEREO: Lights up when a stereo FM broadcast is being received.

M SCAN indicator

Lights up during memory scan operation.

N AUTO TUNING indicator

Lights up when in the auto tuning mode.

O SEARCH indicator

P STATION display

Indicates the channel (ch) selected with the STATION CALL buttons.